



10/1/2023

# Green Lake County Health Department Community Health Assessment & Community Health Improvement Plan 2023

## Appendix



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# Appendix A. Demographics

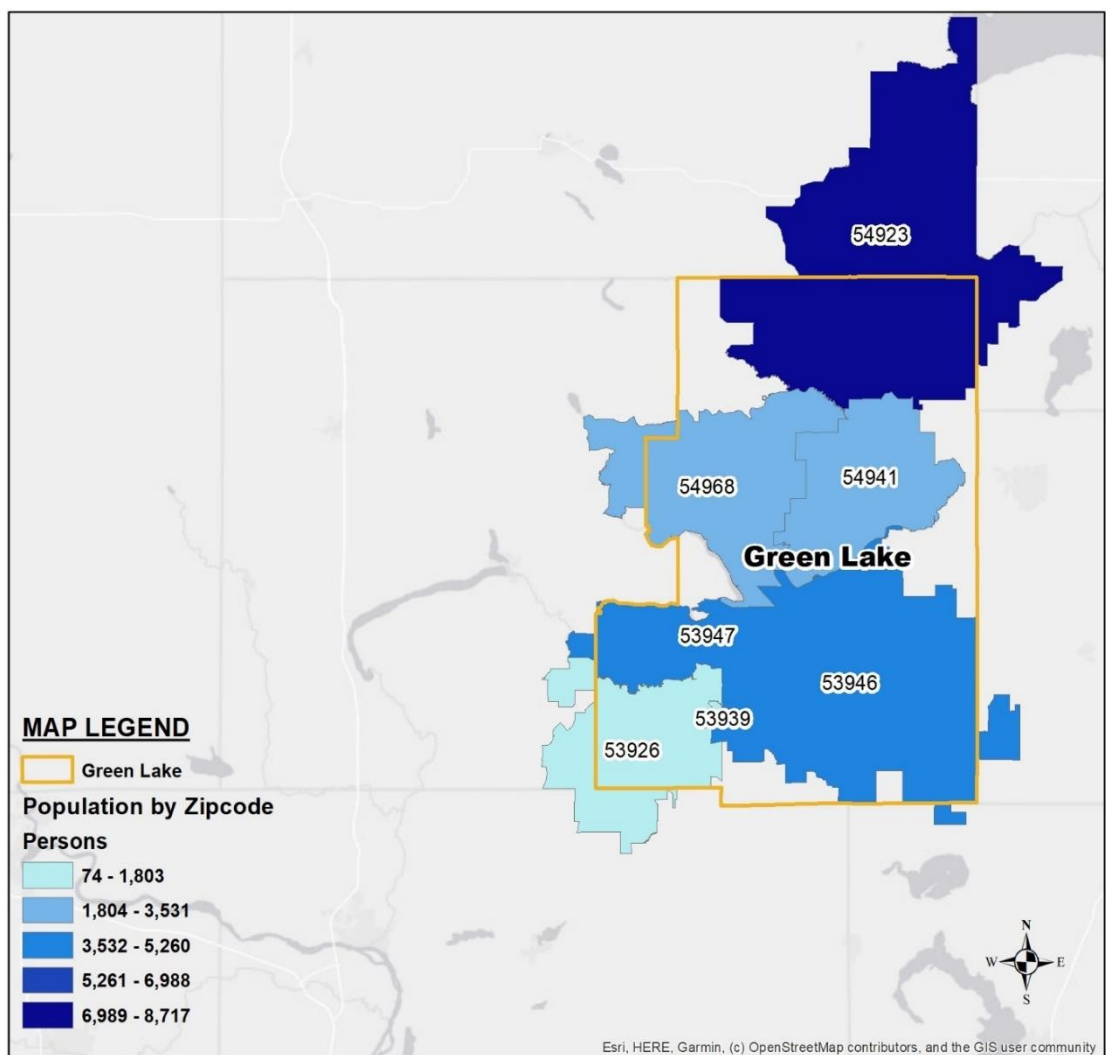
## Geography and Data Sources

All demographic estimates are sourced from Claritas® (2023 population estimates) unless otherwise indicated. Claritas demographic estimates are primarily based on U.S. Census and American Community Survey (ACS) data. Claritas uses proprietary formulas and methodologies to calculate estimates for the current calendar year.

### Population

According to Claritas, 2023® population estimates, Green Lake County has an estimated population of 19,213 persons. Figure 1 shows the population breakdown for Green Lake County by Zip Code.

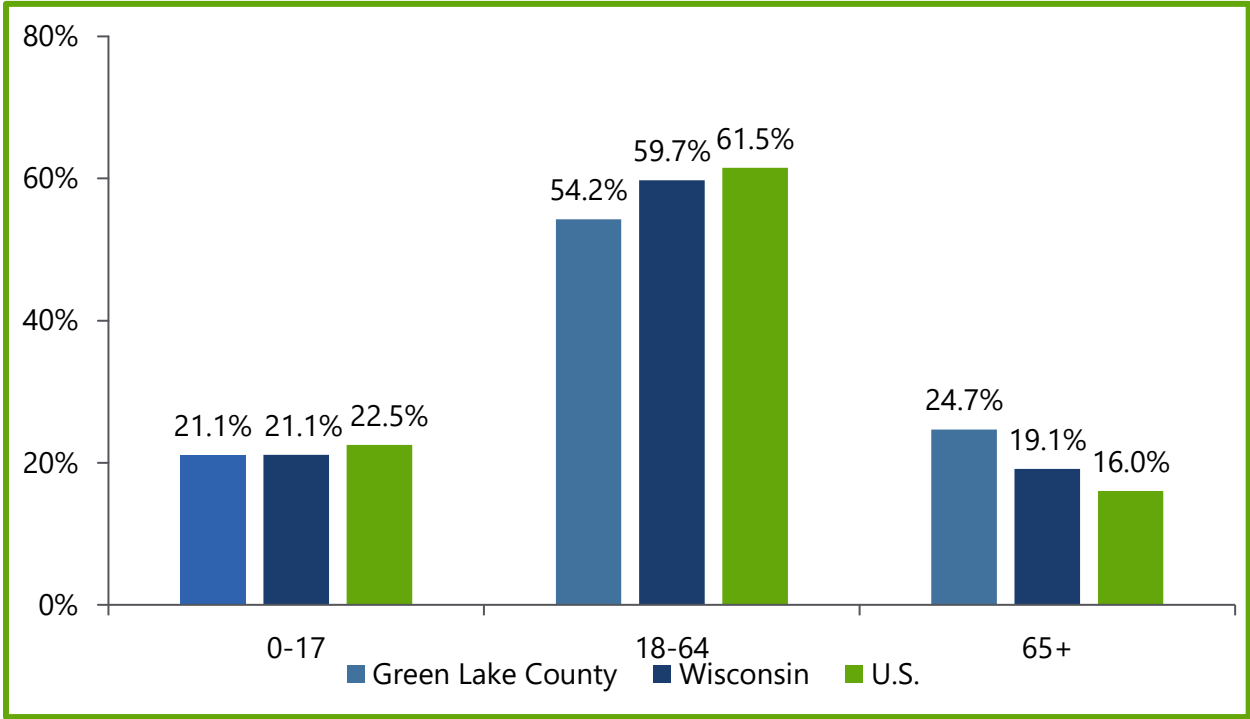
FIGURE 1. GREEN LAKE COUNTY POPULATION DISTRIBUTION BY ZIP CODE



## Age

Figure 2 shows the population of Green Lake County by age group. The age distribution of the population in the age group of 0 to 17 years in Green Lake County is relatively similar to Wisconsin and the U.S. While the percentage of population in the age group 18 to 64 years in Green Lake County is lower (54.2%) when compared to Wisconsin (59.7%) and the U.S. (61.5%). Further, the population in age group 65+ in Green Lake County is higher (24.7%) when compared to Wisconsin (19.1%) and the U.S. (16.0%)

FIGURE 2. PERCENT POPULATION BY AGE: COUNTY, STATE, AND U.S.



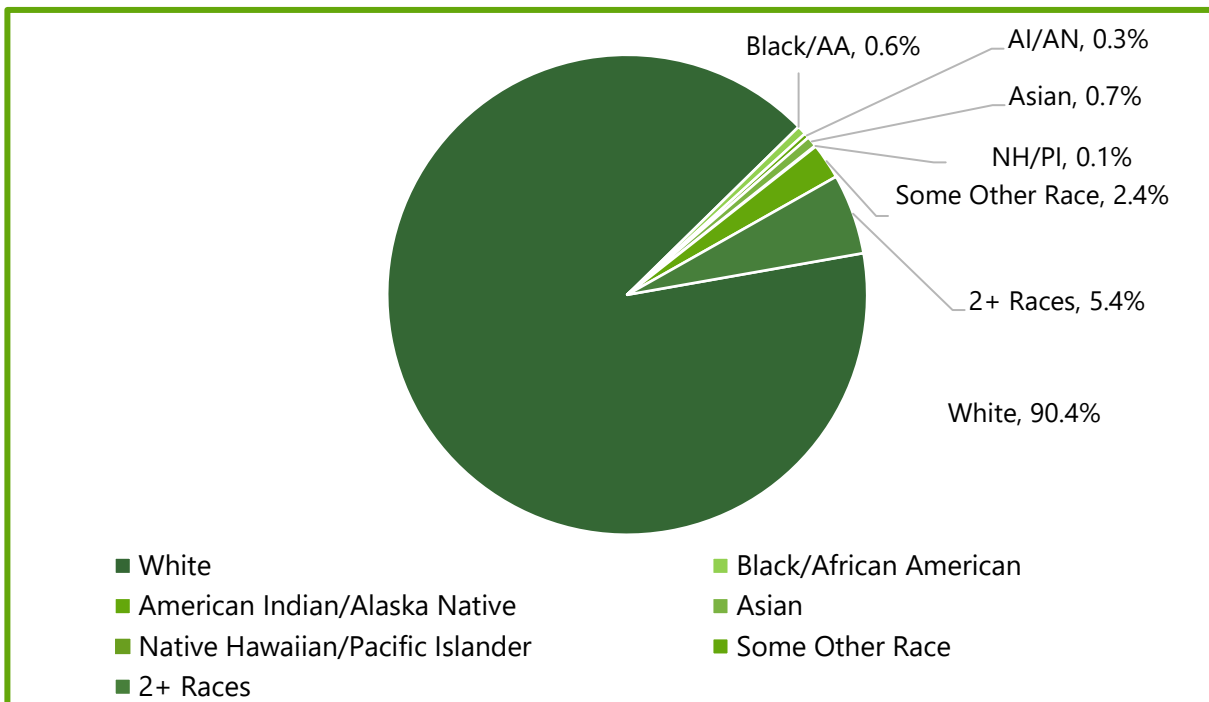
Claritas, 2023, U.S. Values- American Community Survey, 2017-2021

## Race and Ethnicity

Considering the racial and ethnic composition of a population is important in planning for future community needs, particularly for schools, businesses, community centers, health care, and childcare. Analysis of health and social determinants of health data by race/ethnicity can also help identify disparities in housing, employment, income, and poverty.

The racial makeup of Green Lake County shows 90.4% of the population identifying as White, as indicated in Figure 3. Population identifying as 2+ races is at 5.4% comprising second highest proportion. All other proportions of the population fall below 5.0% of the population.

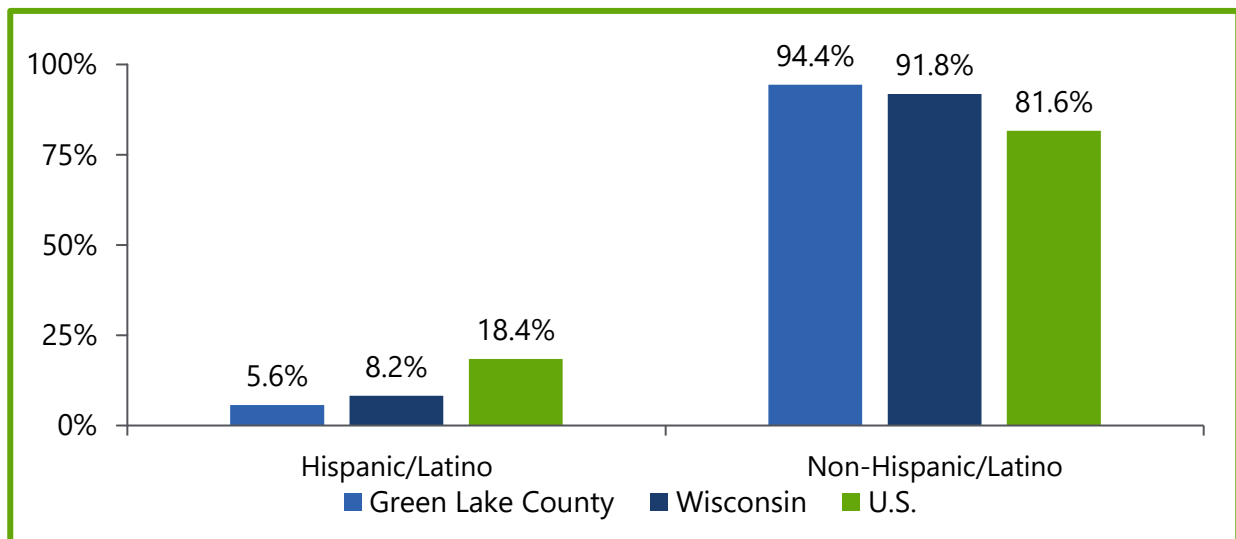
FIGURE 3. GREEN LAKE COUNTY POPULATION BY RACE



Claritas, 2023, U.S. Values- American Community Survey, 2017-2021

As shown in Figure 4, 5.6% of the population in Green Lake County identify as Hispanic/Latino. This is a smaller proportion of the population when compared to Wisconsin and U.S.

FIGURE 4. PERCENT POPULATION BY ETHNICITY: COUNTY, STATE, AND U.S.



Claritas, 2023, U.S. Values- American Community Survey, 2017-2021








# Appendix B. Additional Data for Top Health Needs

## Secondary Data

### Access to Healthcare: Medical

From the secondary data scoring results, Health Care Access and Quality ranked 14<sup>th</sup> among all other topic areas with a score of 1.38. Further analysis was done to identify specific indicators of concern within the categories. Those indicators with high data scores (scoring at or above the threshold of 1.50) were categorized as indicators of concern and are listed in Table 1 below. See Appendix A for the full list of indicators categorized within this topic.

Table 1: Data Scoring results for healthcare access and quality

SCORE	OTHER CONDITIONS	UNITS	GREEN LAKE COUNTY	HP2030	Wisconsin	U.S.	Wisconsin Counties	U.S. Counties	Trend
2.22	Non-Physician Primary Care Provider Rate	providers/ 100,000 population	58.2	-	133.8	-		-	
1.92	Person with Health Insurance	percent	89.4	92.4	93.2	-		-	
1.25	Adults without Health Insurance	Percent of adults	11.3	-	-	15.3			

\*HP2030 - Healthy People provides science-based, 10-year national objectives for improving the health of all Americans. HP2030 represents a Healthy People target to be met by 2030.

Primary Data

Access to affordable health care services was a top health need identified by survey and focus group participants in this CHA process. When survey respondents were asked, was there a time they needed health care services and did not get the care they needed, 18% indicated they did not get the services they needed. When ask the reasons they did not get health care services, as shown in Figure 5, they identified that cost was the top reason, either it was too expensive, or they could not pay, followed by the wait was too long. Focus group participants discussed major challenges in accessing health services. Some of the major challenges included: not enough providers, lack of follow-up from doctors as they are overwhelmed, referrals to specialists not close to home, insurance confusion with what is covered vs. what is not covered. When survey respondents were asked what health care services their children had not received in the past 12 months, lack of transportation due to bus schedule and/or drop off location was identified as a top reason. As shown in Figure 6 most survey respondents get their health information from a doctor or heath care provider, followed by the internet, friends and family, the health department, and hospital. The quotes below further highlight the key themes discussed in the qualitative data.

FIGURE 5. REASONS DID NOT GET HEALTH CARE

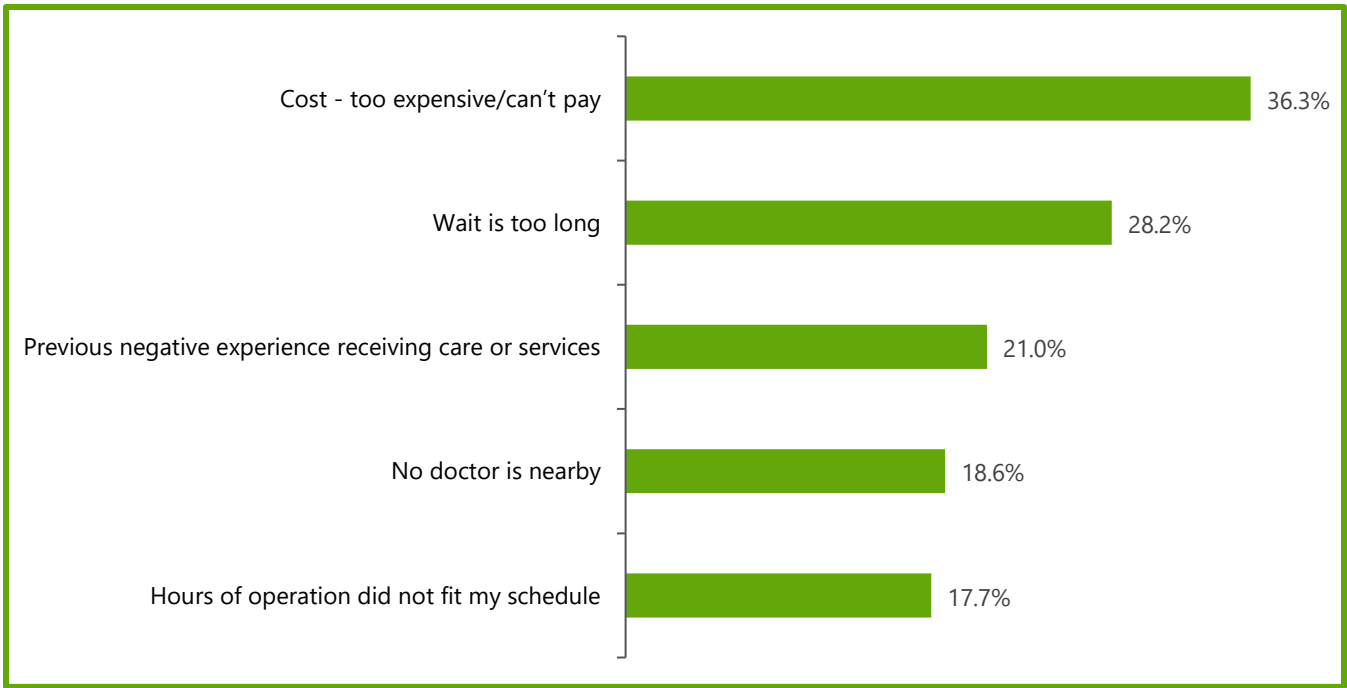
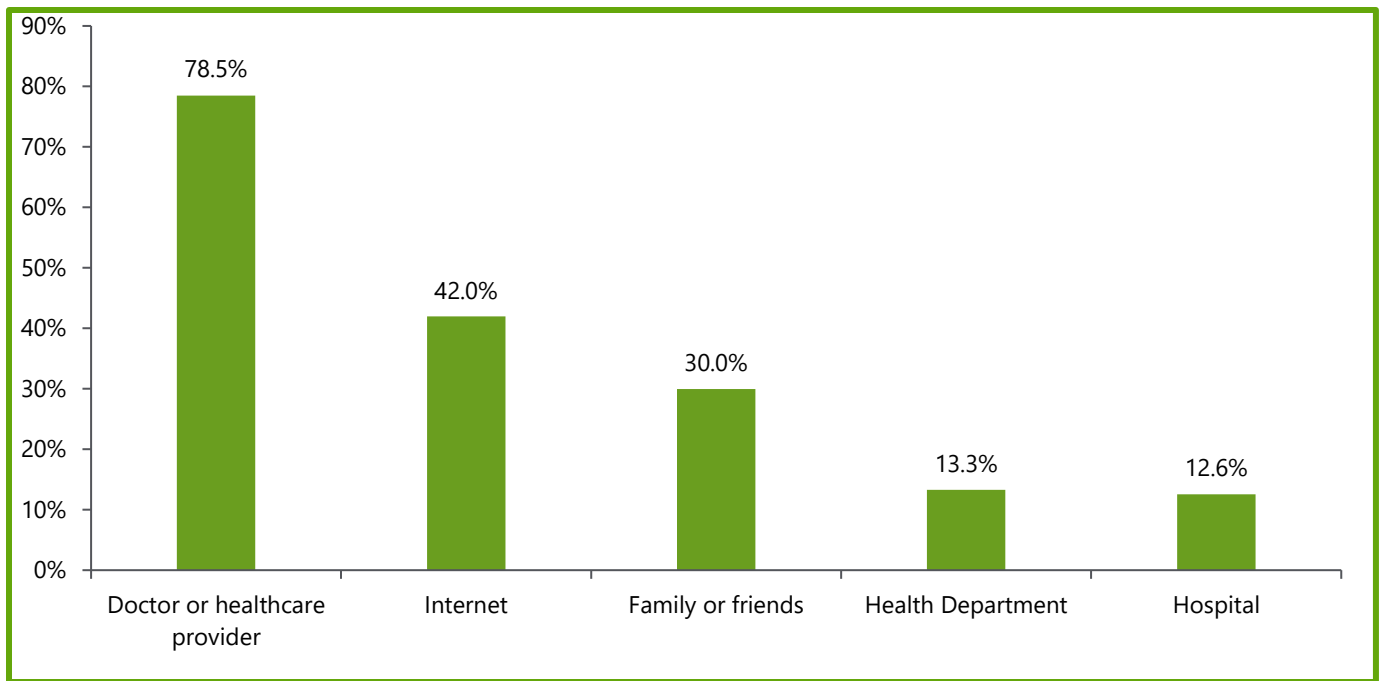


FIGURE 6. WHERE SURVEY RESPONDENTS GET MOST HEALTH INFORMATION FROM











### Dental

From the secondary data scoring results, Oral Health ranked 12<sup>th</sup> among all other topic areas with a score of 1.54. Further analysis was done to identify specific indicators of concern within the categories. Those indicators with high data scores (scoring at or above the threshold of 1.50) were categorized as indicators of concern and are listed in Table 2 below. See Appendix A for the full list of indicators categorized within this topic.



TABLE 2. DATA SCORING RESULTS FOR DENTAL

SCORE	ORAL HEALTH	GREEN LAKE COUNTY	HP2030	WI	U.S.	Wisconsin Counties	U.S. Counties	Trend
2.31	Oral Cavity and Pharynx Cancer Incidence Rate	13.9	-	12.5	12			
2.25	Non-Traumatic Oral Health Emergency Department Visit Rate	41.6	-	34	-		-	
1.61	Dentist Rate	58.2	-	71.7	-			

\*HP2030 - Healthy People provides science-based, 10-year national objectives for improving the health of all Americans. HP2030 represents a Healthy People target to be met by 2030.

Access to Health Care and Quality: Dental and Oral Health is another area of concern in Green Lake County. The Oral Cavity and Pharynx Cancer Incidence Rate in Green Lake County is 13.9, which falls in the worst 50% of counties in Wisconsin and in the U.S. The indicator Non-Traumatic Oral Health Emergency Department Visit Rate shows the crude rate of emergency department visits per 10,000 population due to a dental diagnosis that was considered non-traumatic and preventable in Green Lake County. The value for Green Lake County at 41.6 falls in the lower 25% of counties in Wisconsin. The indicator Dentist Rate shows rate of dentists per 100,000 population in Green Lake County. The value for Green Lake County at 58.0 falls in the lower 50% of counties in Wisconsin.

Primary Data

Access to Healthcare: Dental

Oral health and accessing dental services were another top health need identified by focus group, and community survey participants in this CHA process. When survey respondents were asked if they needed dental or oral health in the past 12 months but did not get the care they needed, Figure 7 shows 20.32% indicated they did not get services. As shown in Figure 8, the reasons why individuals did not get dental services were, cost, either it was too expensive, or they could not pay, their insurance was not accepted, there were no dentists nearby, or they did not have insurance. Dental care (routine cleaning or urgent care) was also identified as one of the top services children needed but did not get within the past year.

FIGURE 7. NEEDED DENTAL OR ORAL HEALTH SERVICES BUT DID NOT GET THE CARE YOU NEEDED?

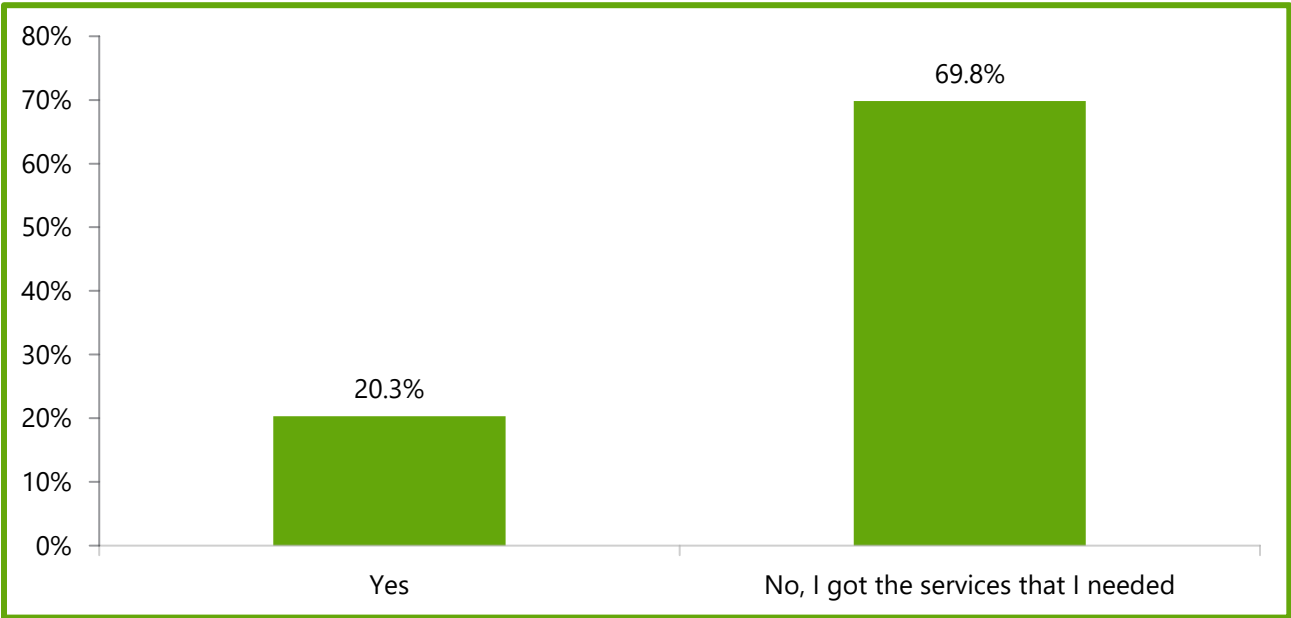
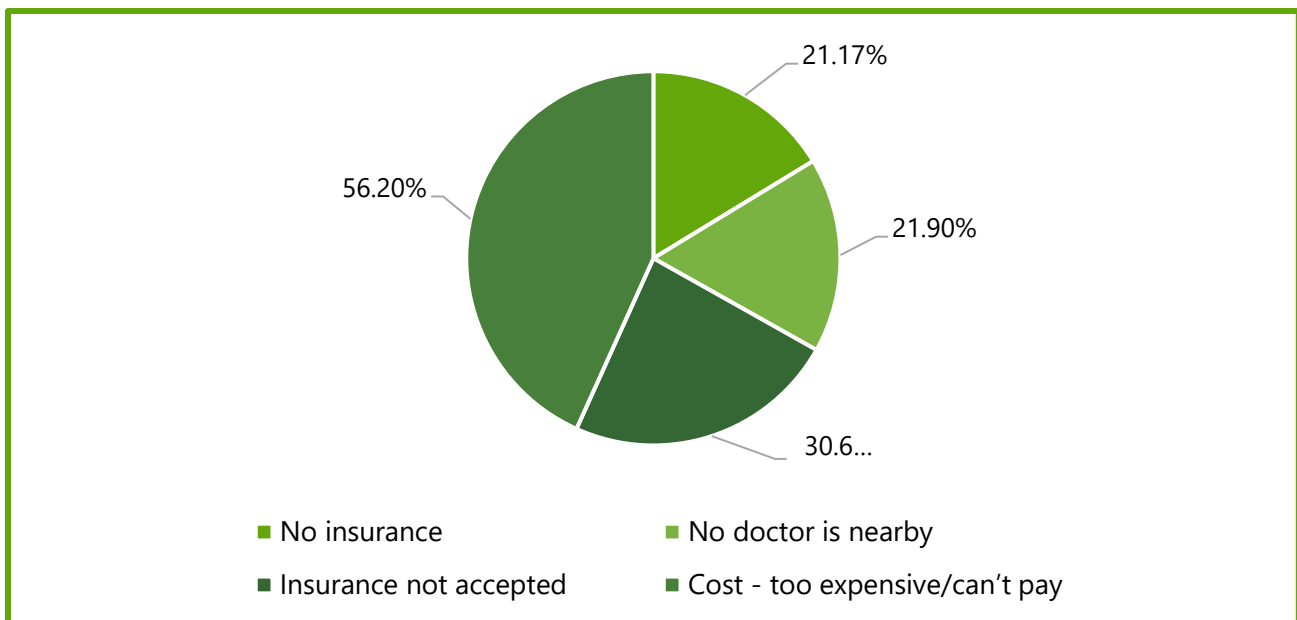


FIGURE 8. REASONS SURVEY RESPONDENTS DID NOT GET DENTAL SERVICES








When focus group participants were asked about challenges in the community, transportation was a common barrier to accessing dental services and 37.02% of survey respondents disagreed or strongly disagreed that transportation was easy to get to if they needed it.

## Prioritized Health Topic #2: Mental Health

### Secondary Data

From the secondary data scoring results, Mental Health and Mental Disorders ranked 19<sup>th</sup> among all other topic areas. Further analysis was done to identify specific indicators of concern. Those indicators with high data scores (scoring at or above the threshold of 1.50) were categorized as indicators of concern and are listed in Table 3 below. See Appendix A for the full list of indicators categorized within this topic.

TABLE 3. DATA SCORING RESULTS FOR MENTAL HEALTH AND MENTAL DISORDERS

SCORE	MENTAL HEALTH & MENTAL DISORDERS	Green Lake County	HP2030	WI	U.S.	Wisconsin Counties	U.S. Counties	Trend
2.06	Mental Health Provider Rate	100.5	-	226.8	-			
1.67	Poor Mental Health: Average Number of Days	4.6	-	4.5	4.5			-

\*HP2030 - Healthy People provides science-based, 10-year national objectives for improving the health of all Americans. HP2030 represents a Healthy People target to be met by 2030.

One of the poorer performing indicators under the Mental Health topic is the Mental Health Provider Rate. This indicator shows the mental health provider rate among providers per 100,000 population. For Green Lake County, the rate is 100. This falls in the worst 50% performing counties for both Wisconsin and in the U.S. This indicator shows a trend over time with a significant increase. The second indicator of interest is Poor Mental Health: Average Number of Days which averages to 4.6 days, which is slightly higher, but similar to the state Wisconsin, and the U.S.

## Primary Data

Mental Health was a top health need identified by survey respondents and focus group participants in this CHA process. It was also identified as a top concern among households with children under the age of 18. When survey respondents were asked if they needed or considered seeking mental health services or alcohol/substance abuse treatment but did not get services, 13.17% responded yes. Of those that responded, as shown in Figure 9, 37.1% indicated cost was the top reason individuals did not receive services, 33.7% indicated no doctor nearby, and 29.2% the wait was too long. Other community feedback included there were a shortage of provider or treatment centers in the county, lack of insurance coverage locally for specialized services, and populations most impacted were older adults, children/youth, and LGBTQ+. The quote below further highlights the key themes discussed in the qualitative data.

FIGURE 9. TOP REASONS DID NOT RECEIVE MENTAL HEALTH SERVICES OR ALCOHOL SUBSTANCE ABUSE TREATMENT












## Prioritized Health Topic #3: Substance Misuse (Alcohol & Drug Use)

### Secondary Data

From the secondary data scoring results, Alcohol and Drug Use ranked second among all other topic areas with a score of 1.85. Further analysis was done to identify specific indicators of concern. Those indicators with high data scores (scoring at or above the threshold of 1.50) were categorized as indicators of concern and are listed in Table 4 below. See Appendix A for the full list of indicators categorized within this topic.

TABLE 4. DATA SCORING RESULTS FOR SUBSTANCE USE/MISUSE (TOBACCO USE, DRUGS)

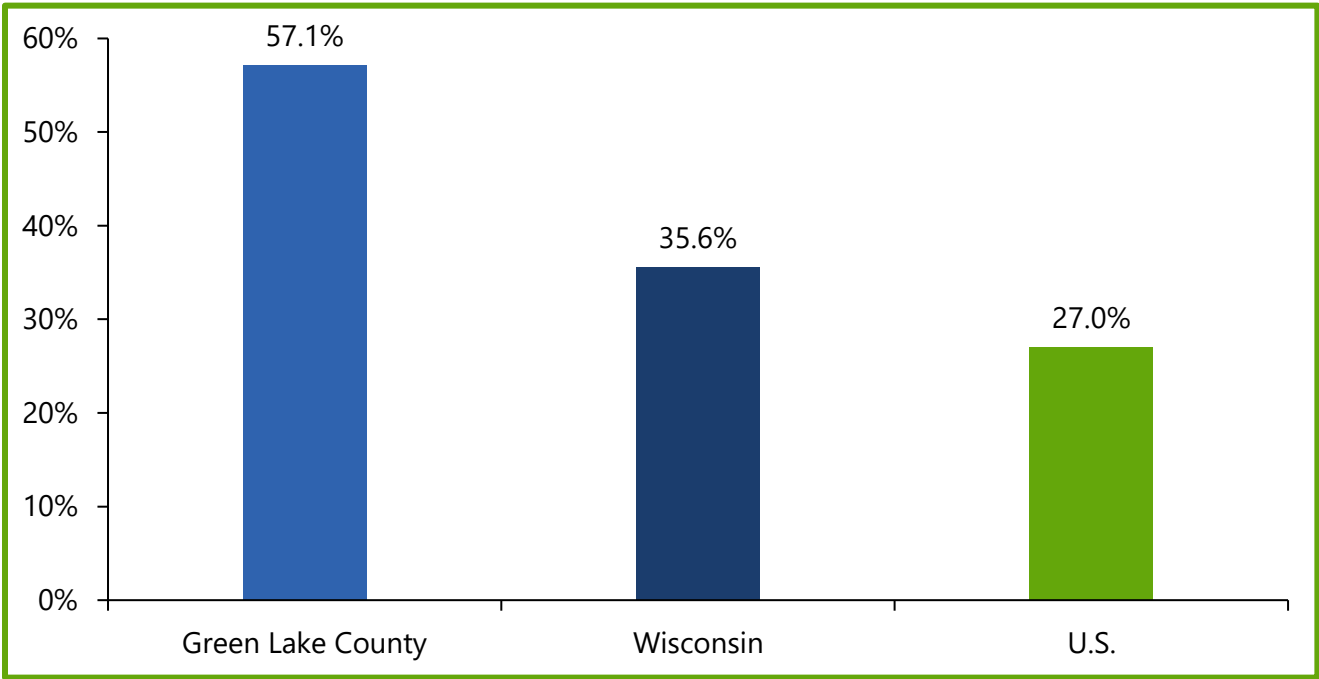
SCORE	ALCOHOL & DRUG USE	Green Lake County	HP2030	WI	U.S.	Wisconsin Counties	U.S. Counties	Trend
2.64	Alcohol-Impaired Driving Deaths	57.1	-	35.6	27			
2.33	Death Rate due to Drug Poisoning	19.5	-	16.2	16.9			-
2.14	Adults who Binge Drink	37.4	-	24.6	-		-	
2.50	Adults who Smoke	37.7	6.1	17.9	-		-	

Primary Data

Substance Misuse

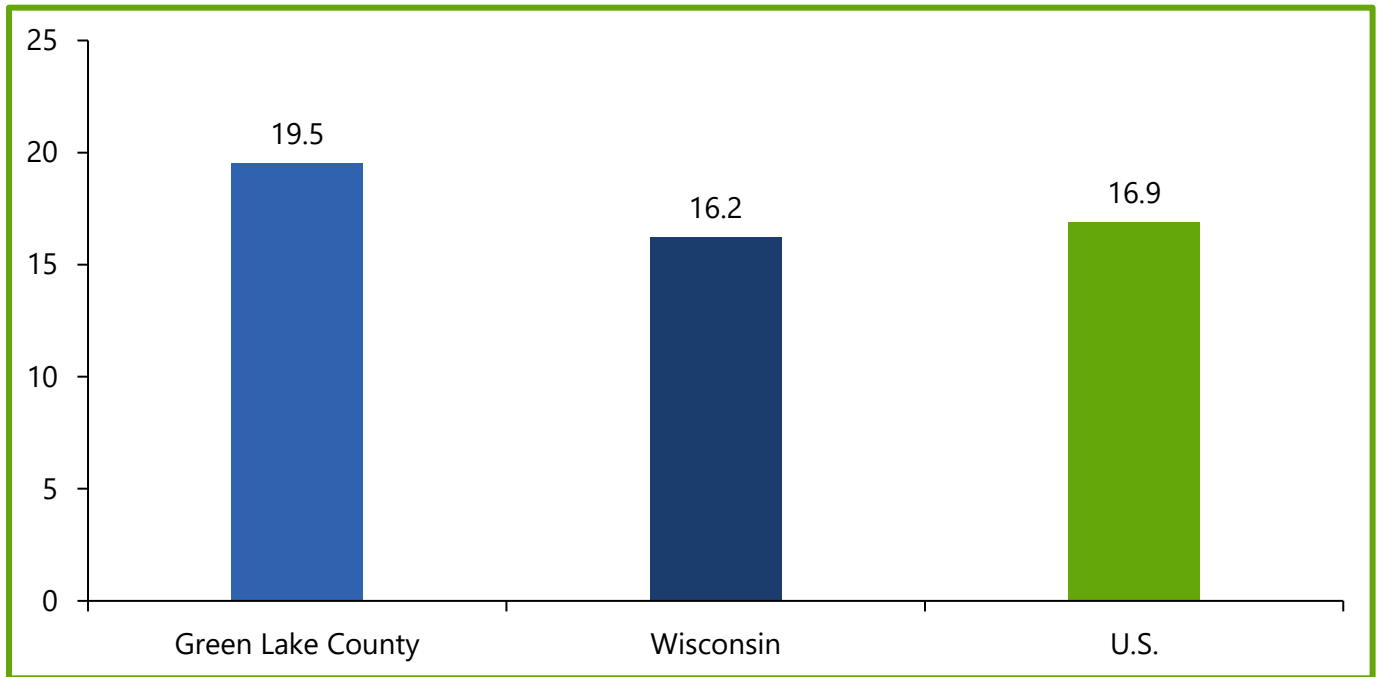
Alcohol and Drug Use were identified as a top concern in Green Lake County by survey respondents. As shown in Figure 10, Alcohol impaired driving deaths is the top area of concern related to Substance Use/Misuse in Green Lake County. The percent of driving deaths with alcohol involvement in Green Lake County is 57.1, which falls in the worst 25% of counties in Wisconsin and in the U.S. Figure 11 shows the indicator Death Rates due to Drug Poisoning for Green Lake County is 19.5 deaths per 100,000 and falls in the lower 25% of counties for Wisconsin and lower 50% of the counties in the U.S. The indicator Adults who Binge Drink shows adults who reported binge drinking in the last 30 days prior to the survey in Green Lake County. The value for Green Lake County at 37.4% and falls in the lower 25% of counties in Wisconsin. When focus group participants were asked about challenges in the community, they discussed treatment for substance use was not meeting the needs of the community, there was a lack of beds in facilities and because of this, patients were being sent out of the county for treatment, and lastly, more robust prevention and treatment programs were needed.

FIGURE 10. ALCOHOL-IMPAIRED DRIVING DEATHS, 2016-2020



County, State and U.S. values taken from County Health Rankings (2016-2020)

FIGURE 11. DEATH RATES TO DRUG POISONING, 2014-2016 (DEATHS/100,000 POPULATION)



County, State and U.S. values taken from County Health Rankings (2014-2016)



# Appendix C. Primary & Secondary Data Methodology and Data Scoring Tables

This section includes overall data and findings from the community survey, focus groups, and secondary data analysis. These combined assessments provide a comprehensive picture of the top issues and concerns facing Green Lake County.

## Primary Data Methodology

### Qualitative Data: Survey Demographics

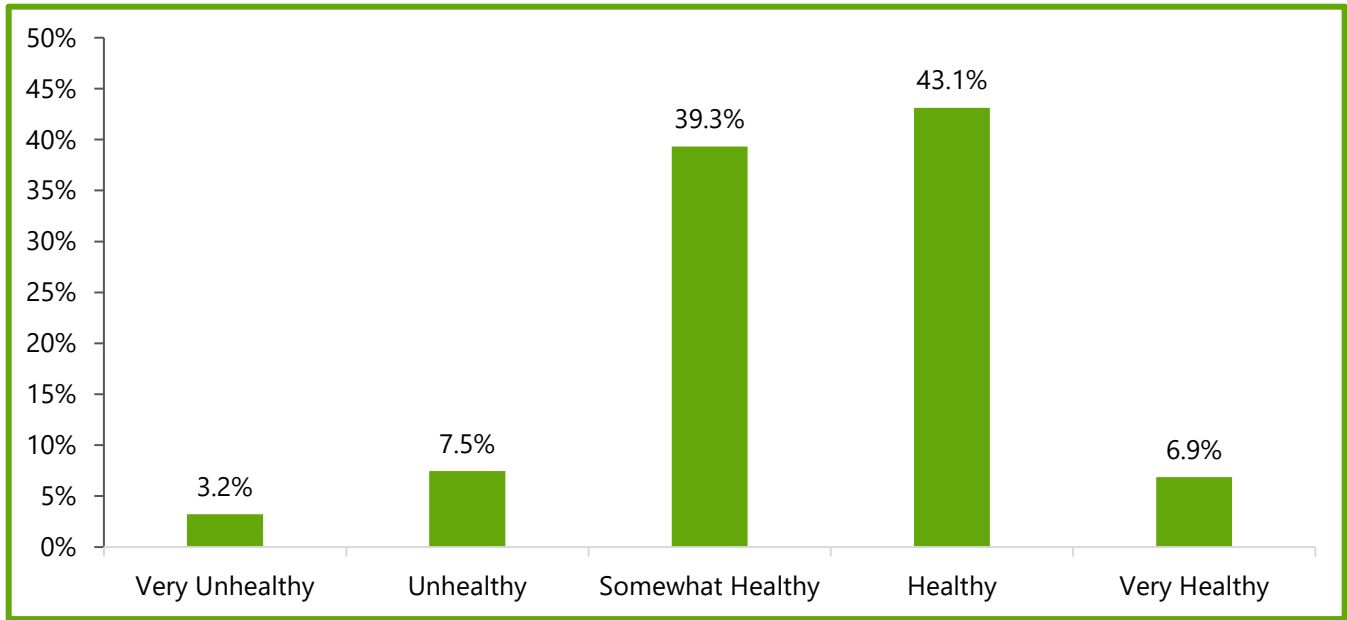
Community input was collected through an online community survey available in English and Spanish from March 2023, through April 2023. The survey consisted of 52 questions related to top health needs in the community and perception of their overall health, access to health care services, as well as social and economic determinants of health. Announcements promoting the community surveys in Green Lake County included a press release, radio broadcast, social media, and emails blasts to various organizations, GLCHD staff, internal and external teams. A total of 738 responses were collected, 629 online and 109 hard copies. Response rates met the target rate of collecting more than 377 surveys.

Surveys were completed in English. Ninety one percent of survey respondents described themselves as White or Caucasian, and 5% as Hispanic/Latino/Latinx. The largest age group ranged from 35-44, followed by 45-56. Most respondents identified as female and 27.45% had a bachelor's degree followed by 27.31% with a high school graduate degree.

Community survey results indicated that 82.4% of survey respondents rated Green Lake County somewhat healthy or healthy (Figure 12). Figure 13 shows the top five most important health problems in the community, and Figure 14 the top five issues community members would like to see addressed. Additional survey demographics can be found in Appendix D.

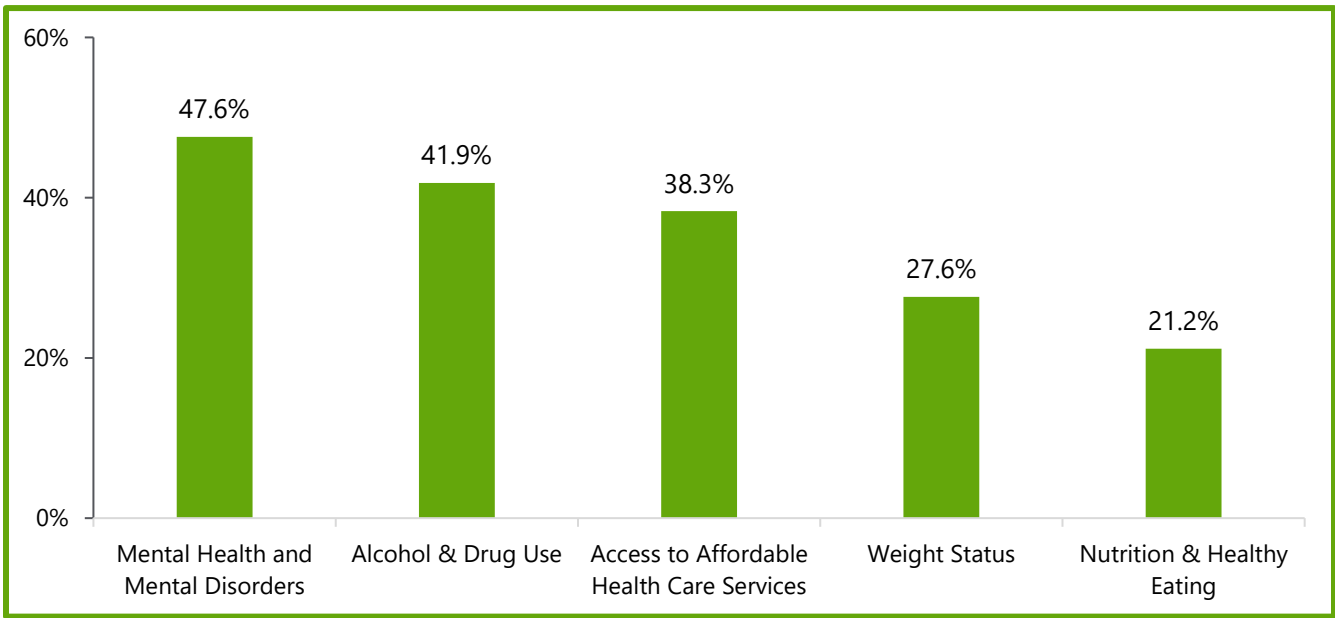
Community Survey Results

FIGURE 12. HOW WOULD YOU RATE YOUR COMMUNITY AS A HEALTHY PLACE TO LIVE?



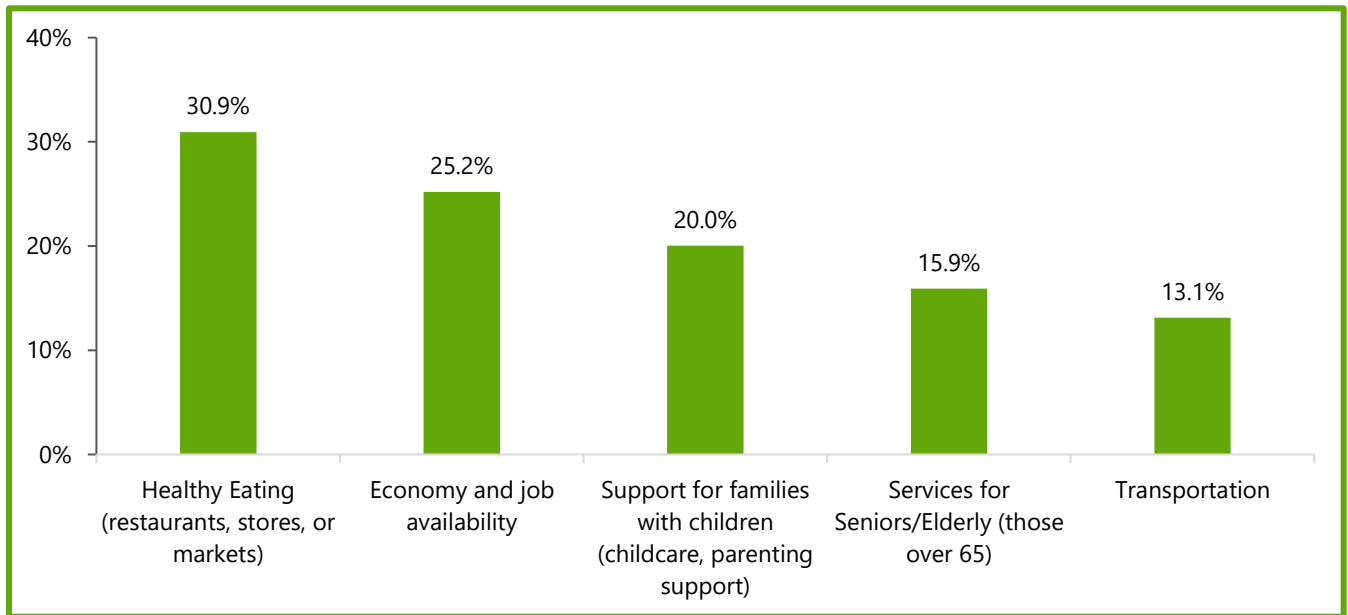
COMMUNITY SURVEY RESULTS

FIGURE 13. TOP 5 MOST IMPORTANT “HEALTH PROBLEMS” IN YOUR COMMUNITY



COMMUNITY SURVEY RESULTS

FIGURE 14. TOP 5 ISSUES COMMUNITY MEMBERS WOULD LIKE TO SEE ADDRESSED



COMMUNITY SURVEY RESULTS

Qualitative Data: Focus Groups

Focus Groups Methodology

The data collected through the focus group process provides adjunct information to the quantitative data collection methods in a mixed methods approach. While the data collected is useful in gaining insight into a topic that may be more difficult to gather through other data collection methods, it is important to note that the information collected in an individual focus group is not necessarily representative of other groups.

Ten focus groups were held across the county in nine locations. Locations are listed below.

<i>ADVOCAP-Head Start</i>	<i>Princeton Senior Center</i>
<i>Green Lake County CSP Group</i>	<i>River Shores Church</i>
<i>Green Lake County Jail</i>	<i>Tri-County Boys and Girls Club</i>
<i>Green Lake County Fox River Industries</i>	<i>Manchester Senior Center</i>
<i>Mama123</i>	<i>Central Wisconsin Midwifery</i>

QUALITATIVE ANALYSIS RESULTS

The GLCHD team captured detailed transcripts of the focus group sessions and HCI analyzed them using the qualitative analysis program Dedoose<sup>®1</sup>. Text was coded using a pre-designed codebook, organized by themes, and analyzed for significant observations.

Table 5 below summarizes the top health and quality of life categories that were identified from the focus groups. These top need areas were synthesized with findings from secondary data analysis to identify overall health needs for consideration for prioritization in Green Lake County.

TABLE 5. GREEN LAKE COUNTY TOP NEEDS IDENTIFIED THROUGH QUALITATIVE DATA ANALYSIS

Topic
Access to Healthcare (Medical Care and Dental Care)
Behavioral Health (Mental Health and Mental Disorders)
Alcohol
Transportation

<sup>1</sup> Dedoose Version 8.0.35, web application for managing, analyzing and presenting qualitative and mixed method research data (2018). Los Angeles, CA: SocioCultural Research Consultants, LLC [www.dedoose.com](http://www.dedoose.com)

# Secondary Data Sources & Methodology

Secondary data used for this assessment were collected and analyzed from a community indicator database developed by Conduent Healthy Communities Institute (HCI). The database, maintained by researchers and analysts at HCI, includes over 150 community indicators, spanning at least 24 topics in the areas of health, determinants of health, and quality of life. The data are primarily derived from state and national public secondary data sources. The value for each of these indicators is compared to other communities, national targets, and to previous time periods.

HCI’s Data Scoring Tool systematically summarizes multiple comparisons and ranks indicators based on highest need. For each indicator, the Green Lake County value was compared to a distribution of Wisconsin and U.S. counties, state and national values, Healthy People 2030 targets, and significant trends, as shown in Illustration 1. Each indicator was then given a score based on the available comparisons. These scores range from 0 to 3, where 0 indicates the best outcome and 3 indicates the poorest outcome. Availability of each type of comparison varies by indicator and is dependent upon the data source, comparability with data collected from other communities, and changes in methodology over time. These indicators were grouped into topic areas for a higher-level ranking of community health needs. Due to the limited availability of zip code, census tract, or other sub-county health data, the data scoring technique is only available at the county level. The data scoring results are therefore presented in the context of Green Lake County.

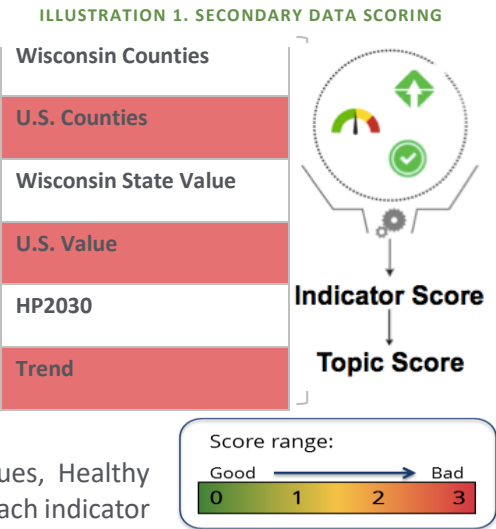


Illustration 2 shows the health and quality of life topic scoring results for Green Lake County, with Education as the poorest performing topic area with a score of 1.69, followed by Community with a score of 1.61. Topics that received a score of 1.50 or higher were considered a significant health need. Five topics scored at or above the threshold. Topic areas with fewer than three indicators were considered a data gap. Please see Appendix A for the full list of health and quality of life topics, including the list of national and state indicators that are categorized into and included in the secondary data analysis for each topic area. Further details on the quantitative data scoring methodology are also available in Appendix A.

**ILLUSTRATION 2. TOPIC SCORING RESULTS**

Health & Quality of Life Topics	Score
Education	1.69
Community	1.61
Economy	1.56

## Secondary Data Sources

Secondary data used for this assessment were collected and analyzed from a community indicator database developed by Conduent Healthy Communities Institute (HCI). The database, maintained by researchers and analysts at HCI, includes over 150 community indicators, spanning at least 24 topics in the areas of health, determinants of health, and quality of life. The data are primarily derived from state and national public secondary data sources. The value for each of these indicators is compared to other communities, national targets, and to previous time periods. The following is a list of secondary sources used in Green Lake County's Community Health Assessment:

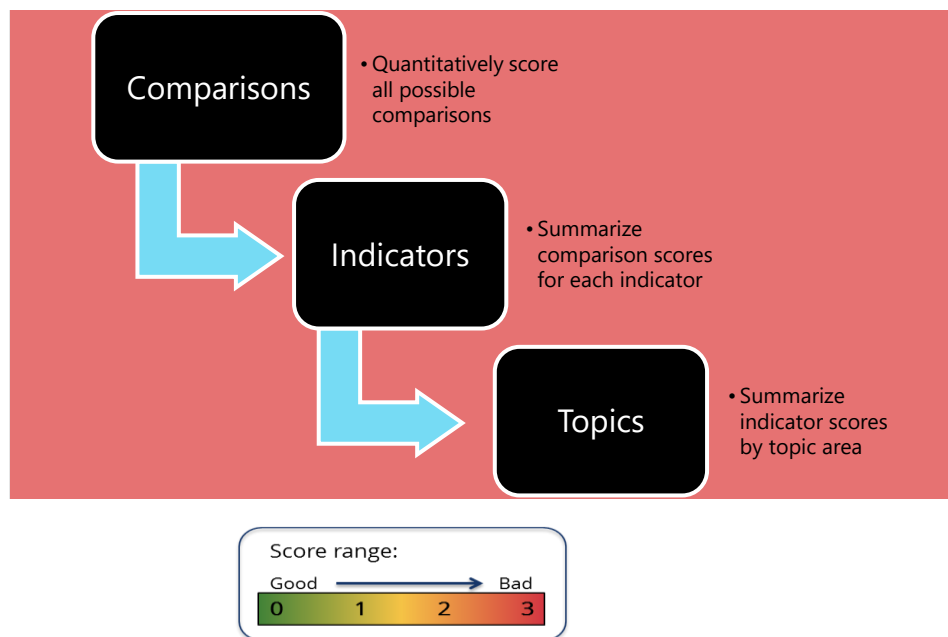
1	American Community Survey 5-Year
2	Center for Disease Control and Prevention - PLACES
3	Centers for Disease Control and Prevention
4	Centers for Medicare & Medicaid Services
5	County Health Rankings
6	Feeding America
7	Healthy Communities Institute
8	National Cancer Institute
9	National Center for Education Statistics
10	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention
11	National Environmental Public Health Tracking Network
12	U.S. Bureau of Labor Statistics
13	U.S. Census - County Business Patterns
14	U.S. Census Bureau - Small Area Health Insurance Estimates
15	U.S. Environmental Protection Agency
16	United For ALICE
17	Wisconsin Department of Children and Families
18	Wisconsin Department of Health Services
19	Wisconsin Environmental Public Health Tracking
20	Wisconsin Secretary of State

## Data Scoring

HCI's Data Scoring Tool systematically summarizes multiple comparisons and ranks indicators based on highest need. For each indicator, the Green Lake County value was compared to a distribution of Wisconsin and U.S. counties, state and national values, Healthy People 2030 targets, and significant trends, as shown below. Each indicator was then given a score based on the available comparisons. These scores range from 0 to 3, where 0 indicates the best outcome and 3 indicates the poorest outcome. Availability of each type of comparison varies by indicator and is dependent upon the data source, comparability with data collected from other communities, and changes in methodology over time. Indicators are categorized into topic areas and each topic area receives

a score. Indicators may be categorized in more than one topic area. Topic scores are determined by the comparisons of all indicators within the topic area.

### Data scoring is done in three stages:



Due to the limited availability of zip code, census tract, or other sub-county health data, the data scoring technique is only available at the county level. The data scoring results are presented in the context of Green Lake County.

### Comparison to a Distribution of County Values: Within State and Nation

For ease of interpretation and analysis, indicator data is visually represented as a green-yellow-red gauge showing how the community is faring against a distribution of counties in the state or the United States. A distribution is created by taking all county values within the state or nation, ordering them from low to high, and dividing them into three groups (green, yellow, red) based on their order. Indicators with the poorest comparisons (“in the red”) scored high, whereas indicators with good comparisons (“in the green”) scored low.

### Comparison to Values: State, National, and Targets

Each county is compared to the state value, the national value, and target values. Target values include the nation-wide Healthy People 2030 (HP2030) goals. Healthy People 2030 goals are national objectives for improving the health of the nation set by the Department of Health and Human Services’ Healthy People Initiative. For all value comparisons, the scoring depends on whether the county value is better or worse than the comparison value, as well as how close the county value is to the target value.

## Trend over Time

The Mann-Kendall statistical test for trend was used to assess whether the county value is increasing over time or decreasing over time, and whether the trend is statistically significant. The trend comparison uses the four most recent comparable values for the county, and statistical significance is determined at the 90% confidence level. For each indicator with values available for four time periods, scoring was determined by direction of the trend and statistical significance.

## Missing Values

Indicator scores are calculated using the comparison scores, availability of which depends on the data source. If the comparison type is possible for an adequate proportion of indicators on the community dashboard, it will be included in the indicator score. After exclusion of comparison types with inadequate availability, all missing comparisons are substituted with a neutral score for the purposes of calculating the indicator's weighted average. When information is unknown due to lack of comparable data, the neutral value assumes that the missing comparison score is neither good nor bad.

## Indicator Scoring

Indicator scores are calculated as a weighted average of all included comparison scores. If none of the included comparison types are possible for an indicator, no score is calculated, and the indicator is excluded from the data scoring results.

## Topic Scoring

Indicator scores are averaged by topic area to calculate topic scores. Each indicator may be included in up to three topic areas if appropriate. Resulting scores range from 0-3, where a higher score indicates a greater level of need as evidenced by the data. A topic score is only calculated if it includes at least three indicators.

## Index of Disparity

An important part of the CHNA process is to identify health disparities, the needs of vulnerable populations and unmet health needs or gaps in services. For secondary data health indicators, the Index of Disparity tool was utilized to see if there were large, negative, and concerning differences in indicator values between each subgroup data value and the overall county value. The Index of Disparity was run for the Green Lake County, and the indicators with the highest race or ethnicity index value were found, with their associated subgroup with the negative disparity highlighted in the [Disparity and Health Equity section](#) of this report.

## Health Equity Index

Every community can be described by various social and economic factors that can contribute to disparities in health outcomes. Conduent HCI's Health Equity Index (formerly SocioNeeds<sup>®</sup> Index) considers validated indicators related to income, employment, education, and household environment to identify areas at highest risk for experiencing health inequities.



### How is the index value calculated?

The national index value (from 0 to 100) is calculated for each zip code, census tract, and county in the U.S. Communities with the highest index values are estimated to have the highest socioeconomic needs correlated with preventable hospitalizations and premature death.

### What do the ranks and colors mean?

Ranks and colors help to identify the relative level of need within a community or service area. The national index value for each location is compared to all other similar locations within the community area to assign a relative rank (from 1 to 5) locally. These ranks are used to color the map and chart for the Health Equity Index, with darker coloring associated with higher relative need.

Results for the Green Lake County Health Equity Index can be found in the [Disparities and Health Equity section](#) of this report.

## Food Insecurity Index

Every community can be described by various health, social, and economic factors that can contribute to disparities in outcomes and opportunities to thrive. Conduent HCI's Food Insecurity Index considers validated indicators related to income, household environment and well-being to identify areas at highest risk for experiencing food insecurity.

### How is the index value calculated?

The national index value (from 0 to 100) is calculated for each zip code, census tract, and county in the U.S. Communities with the highest index values are estimated to have the highest food insecurity, which is correlated with household and community measures of food-related financial stress such as Medicaid and SNAP enrollment.

### What do the ranks and colors mean?

Ranks and colors help to identify the relative level of need within a community or service area. The national index value for each location is compared to all other similar locations within the community area to assign a relative rank (from 1 to 5) locally. These ranks are used to color the map and chart for the Food Insecurity Index, with darker coloring associated with higher relative need.

Results for the Green Lake County Food Insecurity Index can be found in the [Disparities and Health Equity section](#) of this report.

## Mental Health Index

Every community can be described by various health, social, and economic factors that can contribute to disparities in mental health outcomes. Conduent HCI's Mental Health Index considers validated indicators related to access to care, physical health status, transportation, employment, and household environment to identify areas at highest risk for experiencing poor mental health.

### How is the index value calculated?

The national index value (from 0 to 100) is calculated for each zip code, census tract, and county in the U.S. Communities with the highest index values are estimated to have the highest socioeconomic and health needs correlated with self-reported poor mental health.

### What do the ranks and colors mean?

Ranks and colors help to identify the relative level of need within a community or service area. The national index value for each location is compared to all other similar locations within the community area to assign a relative rank (from 1 to 5) locally. These ranks are used to color the map and chart for the Mental Health Index, with darker coloring associated with higher relative need.

Results for the Green Lake County Mental Health Index can be found in the [Disparities and Health Equity section](#) of this report.

## Data Considerations

Several limitations of data should be considered when reviewing the findings presented in this report. Although the topics by which data are organized cover a wide range of health and health-related areas, data availability varies by health topic. Some topics contain a robust set of secondary data indicators, while others may have a limited number of indicators or limited subpopulations covered by those specific indicators.

Data scores represent the relative community health need according to the secondary data for each topic and should not be considered a comprehensive result on their own. In addition, these scores reflect the secondary data results for the population as a whole and do not represent the health or socioeconomic need that is much greater for some subpopulations. Moreover, many of the secondary data indicators included in the findings are collected by survey, and though specific methods are used to best represent the population at large, these measures are subject to instability, especially for smaller populations. The Index of Disparity is also limited by data availability, where indicator data varies based on the population groups and service areas being analyzed.

## Race or Ethnic and Special Population Groupings

The secondary data presented in this report derive from multiple sources, which may present race and ethnicity data using dissimilar nomenclature. For consistency with data sources throughout the report, subpopulation data may use different terms to describe the same or similar groups of community members.

## DATA SCORING RESULTS

The following tables list each indicator by topic area for Green Lake County as of May 2023. Source keys are listed under [Secondary Data Sources](#) section of this report.

### Green Lake County Secondary Data Scoring Results

SCORE	HEALTH CARE ACCESS & QUALITY	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
2.25	Non-Traumatic Oral Health Emergency Department Visit Rate	<i>ED visits/ 10,000 population</i>	41.6	-	34	-	2021	19
2.22	Non-Physician Primary Care Provider Rate	<i>providers/ 100,000 population</i>	58.2	-	133.8	-	2021	5
2.06	Mental Health Provider Rate	<i>providers/ 100,000 population</i>	100.5	-	226.8	-	2021	5
1.92	Persons with Health Insurance	<i>percent</i>	89.4	92.4	93.2	-	2020	14
1.61	Dentist Rate	<i>dentists/ 100,000 population</i>	58.2	-	71.7	-	2020	5
1.42	Clinical Care Ranking		22	-	-	-	2022	5
1.25	Adults who Visited a Dentist	<i>percent</i>	66.8	-	-	64.8	2020	2
1.25	Adults without Health Insurance	<i>percent</i>	11.3	-	-	15.3	2020	2
1.08	Adults who have had a Routine Checkup	<i>percent</i>	76.8	-	-	74.7	2020	2
0.89	Primary Care Provider Rate	<i>providers/ 100,000 population</i>	89.9	-	79.7	-	2019	5
0.58	No Recent Dental Visit	<i>percent</i>	16	-	26	-	2017	5
0.08	Preventable Hospital Stays: Medicare Population	<i>discharges/ 100,000 Medicare enrollees</i>	1425	-	2454	2686	2021	4

SCORE	COMMUNITY CONDITIONS	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
2.33	Children Living Below Poverty Level	percent	20.4		13.5	17	2017-2021	1
2.33	Young Children Living Below Poverty Level	percent	23.3		15.4	18.5	2017-2021	1
2.25	Solo Drivers with a Long Commute	percent	36.5		27.7	37	2016-2020	5
2.08	Median Housing Unit Value	dollars	162600		200400	244900	2017-2021	1
2.00	Households with an Internet Subscription	percent	81		86.9	87.2	2017-2021	1
2.00	People 25+ with a bachelor's degree or Higher	percent	21.6		31.5	33.7	2017-2021	1
2.00	Per Capita Income	dollars	32470		36754	37638	2017-2021	1
2.00	Persons with an Internet Subscription	percent	81.6		90	89.9	2017-2021	1
1.97	Substantiated Child Abuse Rate	cases/ 1,000 children	7.8	8.7	3.2	8.4	2020	17
1.92	People Living Below Poverty Level	percent	12.6	8	10.7	12.6	2017-2021	1
1.92	Persons with Health Insurance	percent	89.4	92.4	93.2		2020	14
1.92	Workers Commuting by Public Transportation	percent	0.2	5.3	1.4	4.2	2017-2021	1
1.83	Female Population 16+ in Civilian Labor Force	percent	55.8		62.6	58.7	2017-2021	1
1.83	Households with One or More Types of Computing Devices	percent	89.5		92	93.1	2017-2021	1
1.83	Mean Travel Time to Work	minutes	24.8		22.2	26.8	2017-2021	1
1.83	Median Household Income	dollars	60597		67080	69021	2017-2021	1
1.67	Age-Adjusted Death Rate due to Motor Vehicle Collisions	deaths/ 100,000 population	12.2		10.6		2018-2020	18
1.67	Homeownership	percent	57.6		59.6	57.4	2017-2021	1
1.67	Households without a Vehicle	percent	6.6		6.3	8.3	2017-2021	1
1.67	People 25+ with a High School Diploma or Higher	percent	90.6		92.9	88.9	2017-2021	1
1.67	Population 16+ in Civilian Labor Force	percent	58.5		63.7	59.6	2017-2021	1
1.67	Youth not in School or Working	percent	6.8		5.3	6.9	2017-2021	1

<b>1.58</b>	Social and Economic Factors Ranking		48				2022	5
<b>1.33</b>	Workers who Drive Alone to Work	<i>percent</i>	78		78.5	73.2	2017-2021	1
<b>1.08</b>	Median Monthly Owner Costs for Households without a Mortgage	<i>dollars</i>	496		578	538	2017-2021	1
<b>1.00</b>	People 65+ Living Alone	<i>percent</i>	25.9		29.1	26.3	2017-2021	1
<b>0.92</b>	Median Household Gross Rent	<i>dollars</i>	732		916	1163	2017-2021	1
<b>0.92</b>	Mortgaged Owners Median Monthly Household Costs	<i>dollars</i>	1242		1491	1697	2017-2021	1
<b>0.89</b>	Violent Crime Rate	<i>crimes/ 100,000 population</i>	42.4		298.1	386.5	2014-2016	5
<b>0.67</b>	Single-Parent Households	<i>percent</i>	16.4		22.7	25.1	2017-2021	1
<b>0.67</b>	Workers who Walk to Work	<i>percent</i>	3.5		2.8	2.5	2017-2021	1
<b>0.64</b>	Social Associations	<i>membership associations/ 10,000 population</i>	15.3		11.4	9.2	2019	5
<b>0.50</b>	Total Employment Change	<i>percent</i>	3.2		-0.4	0.9	2019-2020	13

SCORE	ORAL HEALTH	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
<b>2.31</b>	Oral Cavity and Pharynx Cancer Incidence Rate	<i>cases/ 100,000 population</i>	13.9	-	12.5	12	2015-2019	8
<b>2.25</b>	Non-Traumatic Oral Health Emergency Department Visit Rate	<i>ED visits/ 10,000 population</i>	41.6	-	34	-	2021	19
<b>1.61</b>	Dentist Rate	<i>dentists/ 100,000 population</i>	58.2	-	71.7	-	2020	5
<b>1.25</b>	Adults 65+ with Total Tooth Loss	<i>percent</i>	11.1	-	-	13.4	2020	2
<b>1.25</b>	Adults who Visited a Dentist	<i>percent</i>	66.8	-	-	64.8	2020	2
<b>0.58</b>	No Recent Dental Visit	<i>percent</i>	16	-	26	-	2017	5

SCORE	MENTAL HEALTH & MENTAL DISORDERS	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
2.06	Mental Health Provider Rate	<i>providers/ 100,000 population</i>	100.5	-	226.8	-	2021	5
1.67	Poor Mental Health: Average Number of Days	<i>days</i>	4.6	-	4.5	4.5	2019	5
1.42	Adults Ever Diagnosed with Depression	<i>percent</i>	19.7	-	-	18.4	2020	2
1.19	Depression: Medicare Population	<i>percent</i>	16	-	16	16	2021	4
1.08	Poor Mental Health: 14+ Days	<i>percent</i>	12.9	-	-	13.5	2020	2
0.72	Age-Adjusted Death Rate due to Suicide	<i>deaths/ 100,000 population</i>	11.9	12.8	14.4	13.9	2018-2020	18
0.61	Age-Adjusted Death Rate due to Alzheimer's Disease	<i>deaths/ 100,000 population</i>	18.8	-	31.8	31	2018-2020	18
0.36	Alzheimer's Disease or Dementia: Medicare Population	<i>percent</i>	5	-	6	6	2021	4

SCORE	ALCOHOL & DRUG USE	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
2.64	Alcohol-Impaired Driving Deaths	percent of driving deaths with alcohol involvement	57.1	-	35.6	27	2016-2020	5
2.33	Death Rate due to Drug Poisoning	deaths/ 100,000 population	19.5	-	16.2	16.9	2014-2016	5
2.14	Adults who Binge Drink	percent	37.4	-	24.6	-	2014-2016	18
1.75	Mothers who Smoked During Pregnancy	percent	12.8	4.3	8.4	5.5	2020	18
1.58	Health Behaviors Ranking	rank	50	-	-	-	2022	5
0.67	Liquor Store Density	stores/ 100,000 population	5.3	-	7.1	10.5	2016	13

SCORE	CANCER	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
2.92	Breast Cancer Incidence Rate	<i>cases/ 100,000 females</i>	161.7	-	135.1	128.1	2015-2019	8
2.58	Lung and Bronchus Cancer Incidence Rate	<i>cases/ 100,000 population</i>	65.5	-	58.6	56.3	2015-2019	8
2.42	All Cancer Incidence Rate	<i>cases/ 100,000 population</i>	490.4	-	470.8	449.4	2015-2019	8
2.31	Oral Cavity and Pharynx Cancer Incidence Rate	<i>cases/ 100,000 population</i>	13.9	-	12.5	12	2015-2019	8
2.17	Age-Adjusted Death Rate due to Prostate Cancer	<i>deaths/ 100,000 males</i>	24.6	16.9	20.8	18.8	2016-2020	8
2.08	Adults with Cancer	<i>percent</i>	8.5	-	-	6.5	2020	2
2.00	Age-Adjusted Death Rate due to Lung Cancer	<i>deaths/ 100,000 population</i>	43.4	25.1	35.6	35	2016-2020	8
1.92	Colon Cancer Screening: USPSTF Recommendation	<i>percent</i>	63.7	-	-	72.4	2020	2
1.92	Prostate Cancer Incidence Rate	<i>cases/ 100,000 males</i>	111.9	-	118.3	109.9	2015-2019	8
1.61	Cervical Cancer Screening: 21-65	<i>Percent</i>	81.9	84.3	-	82.8	2020	2
1.61	Mammogram in Past 2 Years: 50-74	<i>percent</i>	72.8	80.5	-	78.2	2020	2
1.31	Cancer: Medicare Population	<i>percent</i>	10	-	11	11	2021	4
1.11	Age-Adjusted Death Rate due to Cancer	<i>deaths/ 100,000 population</i>	147.1	122.7	152.5	149.4	2016-2020	8
0.64	Colorectal Cancer Incidence Rate	<i>cases/ 100,000 population</i>	31	-	36.3	37.7	2015-2019	8
0.64	Mammography Screening: Medicare Population	<i>percent</i>	58	-	52	45	2021	4
0.33	Age-Adjusted Death Rate due to Breast Cancer	<i>deaths/ 100,000 females</i>	17.1	15.3	18.4	19.6	2016-2020	8
0.17	Age-Adjusted Death Rate due to Colorectal Cancer	<i>deaths/ 100,000 population</i>	10.5	8.9	12.5	13.4	2015-2019	8

SCORE	ECONOMY	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
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2.50	Adults with Disability Living in Poverty (5-year)	percent	33.4		23.9	24.9	2017-2021	1
2.50	Homeowner Vacancy Rate	percent	2.3		0.9	1.2	2017-2021	1
2.33	Children Living Below Poverty Level	percent	20.4		13.5	17	2017-2021	1
2.33	Young Children Living Below Poverty Level	percent	23.3		15.4	18.5	2017-2021	1
2.08	Median Housing Unit Value	dollars	162600		200400	244900	2017-2021	1
2.00	Overcrowded Households	percent	2.1		1.6		2017-2021	1
2.00	Per Capita Income	dollars	32470		36754	37638	2017-2021	1
1.92	People Living Below Poverty Level	percent	12.6	8	10.7	12.6	2017-2021	1
1.92	Size of Labor Force	persons	8694				44866	12
1.83	Child Food Insecurity Rate	percent	16.2		12.6	16.1	2020	6
1.83	Families Living Below Poverty Level	percent	8.1		6.6	8.9	2017-2021	1
1.83	Female Population 16+ in Civilian Labor Force	percent	55.8		62.6	58.7	2017-2021	1
1.83	Median Household Income	dollars	60597		67080	69021	2017-2021	1
1.67	Homeownership	percent	57.6		59.6	57.4	2017-2021	1
1.67	People 65+ Living Below Poverty Level	percent	9		7.7	9.6	2017-2021	1
1.67	People Living 200% Above Poverty Level	percent	70		74.2	70.8	2017-2021	1
1.67	Population 16+ in Civilian Labor Force	percent	58.5		63.7	59.6	2017-2021	1
1.67	Youth not in School or Working	percent	6.8		5.3	6.9	2017-2021	1
1.64	Students Eligible for the Free Lunch Program	percent	38.4		37.7	38.5	2020-2021	9
1.58	Social and Economic Factors Ranking		48				2022	5
1.50	Households that are Asset Limited, Income Constrained, Employed (ALICE)	percent	23.2		23		2018	16
1.36	Severe Housing Problems	percent	13.6		13.6	17	2014-2018	5
1.33	Food Insecurity Rate	percent	9.3		7.2	11.8	2020	6
1.33	Households that are Above the Asset Limited, Income Constrained, Employed (ALICE) Threshold	percent	66.3		66		2018	16
1.33	Households that are Below the Federal Poverty Level	percent	10.4		11		2018	16
1.33	Households with Cash Public Assistance Income	percent	2		1.9	2.6	2017-2021	1
1.25	Unemployed Workers in Civilian Labor Force	percent	3.1		2.6	3.4	44866	12



<b>1.08</b>	Median Monthly Owner Costs for Households without a Mortgage	<i>dollars</i>	496		578	538	2017-2021	1
<b>0.92</b>	Median Household Gross Rent	<i>dollars</i>	732		916	1163	2017-2021	1
<b>0.92</b>	Mortgaged Owners Median Monthly Household Costs	<i>dollars</i>	1242		1491	1697	2017-2021	1
<b>0.58</b>	Renters Spending 30% or More of Household Income on Rent	<i>percent</i>	34.9	25.5	42.7	49.4	2017-2021	1
<b>0.50</b>	Food Insecure Children Likely Ineligible for Assistance	<i>percent</i>	1		18	29	2020	6
<b>0.50</b>	Total Employment Change	<i>percent</i>	3.2		-0.4	0.9	2019-2020	13
<b>0.50</b>	Veterans Living Below Poverty Level	<i>percent</i>	4.3		5.9	6.8	2017-2021	1

SCORE	ENVIRONMENTAL HEALTH	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
2.50	Houses Built Prior to 1950	<i>percent</i>	33.7	-	24.2	17	2017-2021	1
2.31	Access to Exercise Opportunities	<i>percent</i>	55.2	-	77.8	80	2022	5
2.00	Blood Lead Levels in Children (>=5 micrograms per deciliter)	<i>percent</i>	4.7	-	3.7	-	2019	19
2.00	Overcrowded Households	<i>percent</i>	2.1	-	1.6	-	2017-2021	1
1.64	Weeks of Moderate Drought or Worse	<i>weeks per year</i>	3	-		-	2021	11
1.58	Adults with Current Asthma	<i>percent</i>	9.8	-		9.2	2020	2
1.47	Asthma: Medicare Population	<i>percent</i>	6	-	6	6	2021	4
1.42	Age-Adjusted Carbon Monoxide Poisoning ED Visit Rate	<i>ED visits/ 100,000 population</i>	0.6	-	-	-	2016-2020	19
1.42	Physical Environment Ranking		33	-	-	-	2022	5
1.36	Recognized Carcinogens Released into Air	<i>pounds</i>	0.4	-	-	-	2015	15
1.36	Severe Housing Problems	<i>percent</i>	13.6	-	13.6	17	2014-2018	5
1.08	Number of Extreme Precipitation Days	<i>days</i>	16	-	-	-	2021	11
1.08	PBT Released	<i>pounds</i>	96.9	-	-	-	2015	15
0.86	Adults with Asthma	<i>percent</i>	4.5	-	9.5		2014-2016	18
0.86	Food Environment Index		8.6	-	8.7	7.8	2022	5
0.67	Liquor Store Density	<i>stores/ 100,000 population</i>	5.3	-	7.1	10.5	2016	13

SCORE	OLDER ADULTS	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
2.25	Adults 65+ who Received Recommended Preventive Services: Females	percent	33	-	-	37.9	2020	2
2.14	Atrial Fibrillation: Medicare Population	percent	15	-	14	14	2021	4
2.00	Chronic Kidney Disease: Medicare Population	percent	19	-	18	17	2021	4
1.92	Adults 65+ who Received Recommended Preventive Services: Males	percent	38.9	-	-	43.7	2020	2
1.92	Hyperlipidemia: Medicare Population	percent	60	-	58	63	2021	4
1.92	Prostate Cancer Incidence Rate	cases/ 100,000 males	111.9	-	118.3	109.9	2015-2019	8
1.69	Heart Failure: Medicare Population	percent	12	-	11	11	2021	4
1.67	People 65+ Living Below Poverty Level	percent	9	-	7.7	9.6	2017-2021	1
1.47	Asthma: Medicare Population	percent	6	-	6	6	2021	4
1.47	Hypertension: Medicare Population	percent	62	-	60	65	2021	4
1.31	Cancer: Medicare Population	percent	10	-	11	11	2021	4
1.31	Osteoporosis: Medicare Population	percent	9	-	9	11	2021	4
1.31	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	30	-	29	34	2021	4
1.28	Age-Adjusted Death Rate due to Falls	deaths/ 100,000 population	15.6	-	23.3	9.8	2018-2020	18
1.25	Adults 65+ with Total Tooth Loss	percent	11.1	-		13.4	2020	2
1.19	Depression: Medicare Population	percent	16	-	16	16	2021	4
1.00	COPD: Medicare Population	percent	10	-	10	11	2021	4
1.00	People 65+ Living Alone	percent	25.9	-	29.1	26.3	2017-2021	1
0.97	Stroke: Medicare Population	percent	4	-	4	6	2021	4
0.86	Diabetes: Medicare Population	percent	22	-	22	24	2021	4
0.86	Ischemic Heart Disease: Medicare Population	percent	18	-	18	21	2021	4
0.64	Mammography Screening: Medicare Population	percent	58	-	52	45	2021	4
0.61	Age-Adjusted Death Rate due to Alzheimer's Disease	deaths/ 100,000 population	18.8	-	31.8	31	2018-2020	18
0.36	Alzheimer's Disease or Dementia: Medicare Population	percent	5	-	6	6	2021	4

SCORE	PHYSICAL ACTIVITY	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
2.31	Access to Exercise Opportunities	percent	55.2	-	77.8	80	2022	5
1.81	Adults Who Are Obese	percent	30.9	-	28.5		2014-2016	18
1.58	Health Behaviors Ranking		50	-	-	-	2022	5
1.33	Adults who are Overweight	percent	31	-	32.9	-	2014-2016	18
1.11	Adults who are Sedentary	percent	19.3	21.8	20.4	-	2014-2016	18
0.67	Workers who Walk to Work	percent	3.5	-	2.8	2.5	2017-2021	1

SCORE	WEIGHT STATUS	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
1.81	Adults Who Are Obese	percent	30.9	-	28.5	-	2014-2016	18
1.33	Adults who are Overweight	percent	31	-	32.9	-	2014-2016	18

SCORE	WELLNESS & LIFESTYLE	UNITS	GREEN LAKE COUNTY	HP2030	WI	U.S.	MEASUREMENT PERIOD	Source
1.86	Self-Reported General Health Assessment: Poor or Fair	percent	19.9	-	14.8	-	2014-2016	18
1.81	Life Expectancy	years	78.2	-	78.9	78.5	2018-2020	5
1.75	Morbidity Ranking	rank	62	-	-	-	2022	5
1.75	Poor Physical Health: 14+ Days	percent	11.5	-	-	10	2020	2
1.67	High Blood Pressure Prevalence	percent	36.3	42.6	-	32.6	2019	2
1.03	Insufficient Sleep	percent	32.3	31.4	32.7	35	2018	5

## Green Lake County Secondary Data Scoring Result









### Health Topics and Quality of Life Topics:

Health and Quality of Life Topics	Score
Maternal, Fetal & Infant Health	1.86
Alcohol & Drug Use	1.85
Other Conditions	1.80
Respiratory Diseases	1.75
Prevention & Safety	1.71
Education	1.69
Wellness & Lifestyle	1.65
Cancer	1.63
Community	1.61
Heart Disease & Stroke	1.61
Children's Health	1.58
Economy	1.56
Oral Health	1.54
Environmental Health	1.48
Physical Activity	1.47
Diabetes	1.46
Women's Health	1.42
Health Care Access & Quality	1.38
Older Adults	1.35
Immunizations & Infectious Diseases	1.29
Mental Health & Mental Disorders	1.14

## Top Health Needs

Each prioritized health topic includes key themes from community input and secondary data warning indicators. The warning indicators shown for certain health topics are above the 1.50 threshold for Green Lake County and indicate areas of concern. Table 6 shows the legend below for how to interpret the distribution gauges and trend icons used within the data scoring results tables.

TABLE 6. GAUGES AND ICONS










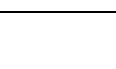
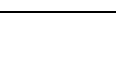






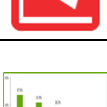
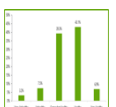
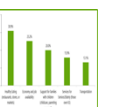

	Indicates the county fell in the bottom 10% of all counties in the distribution. The county fares worse than 90% of all counties in the distribution.
	Indicates the county is in the top 30% of all counties in the distribution. The county fares better than 70% of all counties in the distribution.
	The indicator is trending up, significantly, and this is not the ideal direction.
	The indicator is trending up and this is not the ideal direction.
	The indicator is trending down, significantly, and this is the ideal direction.
	The indicator is trending down and this is the ideal direction.
	The indicator is trending up, significantly, and this is the ideal direction.
	The indicator is trending up and this is the ideal direction.

## Secondary Data

### Medical

From the secondary data scoring results, Health Care Access, and Quality ranked 16<sup>th</sup> in the data scoring of all topic areas with a score of 1.38. Further analysis was done to identify specific indicators of concern. Those indicators with high data scores (scoring at or above the threshold of 1.50) were categorized as indicators of concern and are listed in Table 7. See Appendix A for the full list of indicators categorized within this topic.

TABLE 7. DATA SCORING RESULTS FOR HEALTH CARE ACCESS AND QUALITY: MEDICAL AND TRANSPORTATION

SCORE	HEALTH CARE ACCESS & QUALITY	Green Lake County	HP2030	Wisconsin	U.S.	Wisconsin Counties	U.S. Counties	Trend
2.22	Non-Physician Primary Care Provider Rate	58.2	-	133.8	-			
2.06	Mental Health Provider Rate	100.5	-	226.8	-			
1.92	Persons with Health Insurance	89.4	92.4	93.2	-			
2.25	Solo Drivers with a Long Commute	36.5	-	27.7	37			
1.92	Workers Commuting by Public Transportation	0.2	5.3	1.4	4.2			
1.83	Mean Travel Time to Work	24.8	-	22.2	26.8			
1.67	Households without a Vehicle	6.6	-	6.3	8.3			

Non-Physician Primary Care Provider Rate is the top area of concern related to Medical Health Care Access and Quality in Green Lake County. Green Lake County has a value of 58.2, which falls among the worst 25% performing counties in Wisconsin and in the second worst quartile of counties in the U.S. This indicator also shows an increase trend over time but is statistically insignificant.

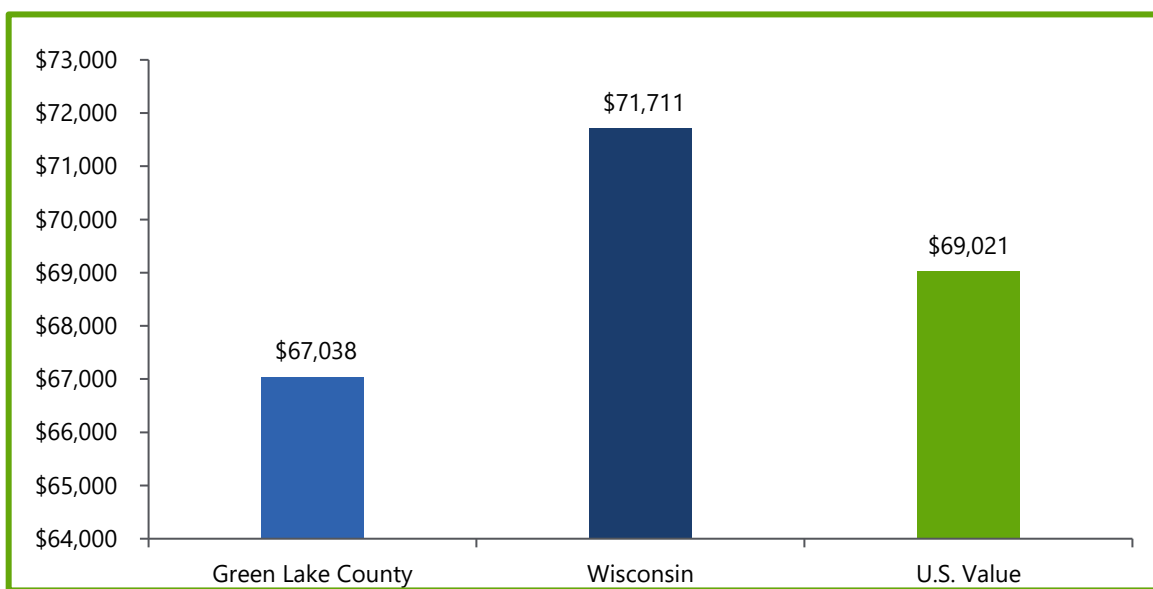
## Social Determinants of Health

### Income

Income has been shown to be strongly associated with morbidity and mortality, influencing health through various clinical, behavioral, social, and environmental factors. Those with greater wealth are more likely to have higher life expectancy and reduced risk of a range of health conditions including heart disease, diabetes, obesity, and stroke. Poor health can also contribute to reduced income by limiting one's ability to work.<sup>2</sup>

Figure 15 provides a median annual income in Green Lake County. The median household income of residents in the Green Lake County is \$67,038, which is lower than the Wisconsin (\$71,711) and the U.S. (\$69,021) values.

FIGURE 15. MEDIAN HOUSEHOLD INCOME BY: COUNTY, STATE AND U.S. COMPARISONS



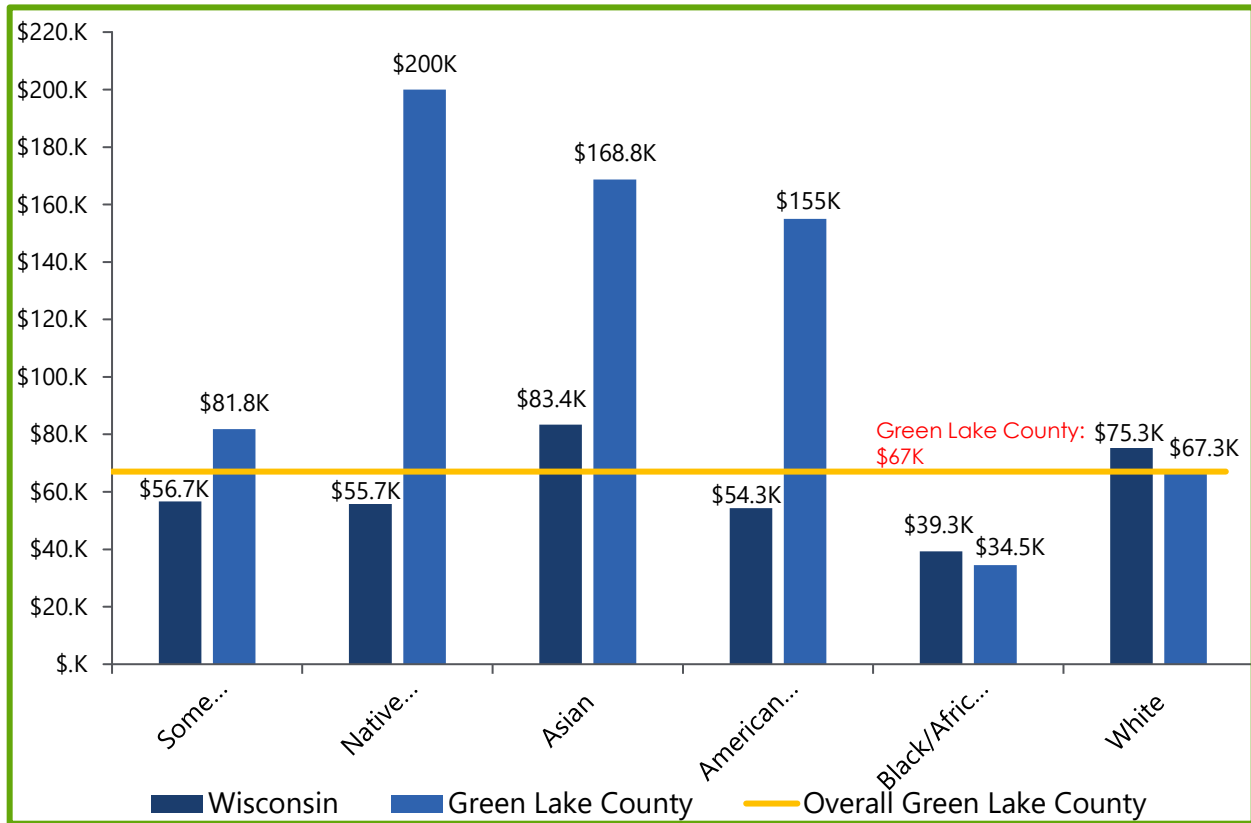
Claritas, 2023, U.S. Values- American Community Survey, 2017-2021

Disparities in median household income exist between racial and ethnic groups within the county. The median household income among residents of the Black/African American community (\$34,500) falls below the county average as shown in Figure 16.

<sup>2</sup> Robert Wood Johnson Foundation. Health, Income, and Poverty. <https://www.rwjf.org/en/library/research/2018/10/health--income-and-poverty-where-we-are-and-what-could-help.html>



FIGURE 16. MEDIAN HOUSEHOLD INCOME BY RACE/ETHNICITY: GREEN LAKE COUNTY



Claritas, 2023, U.S. Values- American Community Survey, 2017-2021

## Poverty

Federal poverty thresholds are set every year by the Census Bureau and vary by size of family and ages of family members. People living in poverty are less likely to have access to health care, healthy food, stable housing, and opportunities for physical activity. These disparities mean people living in poverty are more likely to experience poorer health outcomes and premature death from preventable diseases.<sup>3</sup>

Overall, 8.1% of families in Green Lake County live below the poverty level, which is higher than the Wisconsin value of 6.5% and lower than the U.S. value of 8.9%. The percentage of families living below poverty for each zip code in Green Lake County is provided in Table 8.

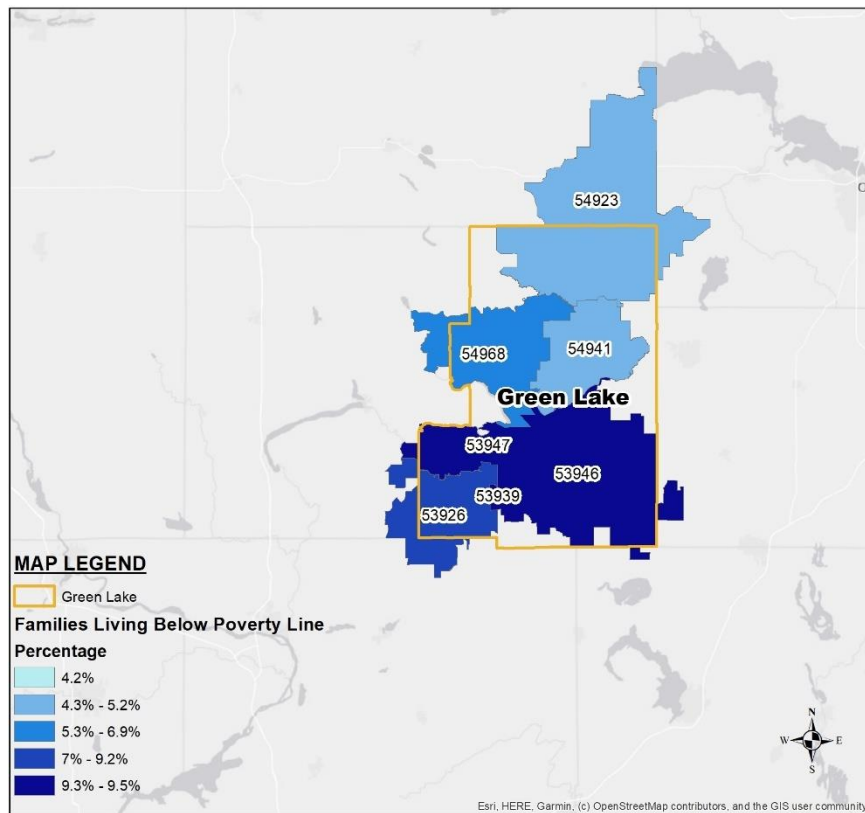
<sup>3</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/objectives-and-data/browse-objectives/economic-stability/reduce-proportion-people-living-poverty-sdoh-01>

TABLE 8. FAMILIES IN GREEN LAKE COUNTY LIVING BELOW POVERTY LEVEL BY ZIP CODE

Zip Code	53926	53939	53946	53947	53923	53941	53968
Families Below Poverty Level (%)	9.2%	9.4%	9.5%	4.2%	5.2%	4.9%	6.9%

Zip codes 53946 and 53939 have the highest percentages of families living below the poverty level at 9.5% and 9.4% respectively. The map in Figure 17 shows the percentage of families living below the poverty level by zip code. The darker blue colors represent a higher percentage of families living below the poverty level.

FIGURE 17. FAMILIES LIVING BELOW POVERTY LEVEL: GREEN LAKE COUNTY



Claritas, 2023, U.S. Values- American Community Survey, 2017-2021

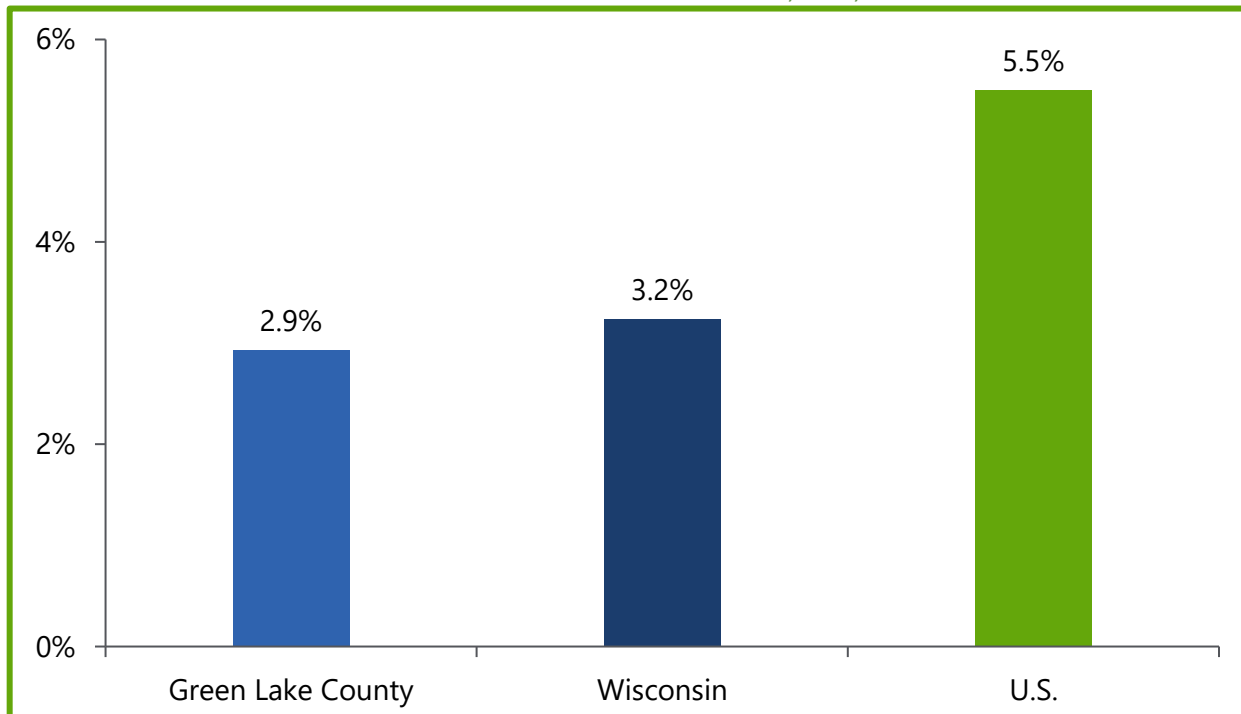
## Employment

A community's employment rate is a key indicator of the local economy. An individual's type and level of employment impacts access to health care, work environment, health behaviors and health outcomes. Stable employment can help provide benefits and conditions for maintaining good health. In contrast, poor or unstable work and working conditions are linked to poor physical and mental health outcomes.<sup>4</sup>

Unemployment and underemployment can limit access to health insurance coverage and preventive care services. Underemployment is described as involuntary part-time employment, poverty-wage employment, and insecure employment.<sup>4</sup> Type of employment and working conditions can also have significant impacts on health. Work-related stress, injury, and exposure to harmful chemicals are examples of ways employment can lead to poorer health.<sup>4</sup>

Figure 18 shows the population aged 16 and over who are unemployed. The unemployment rate for the Green Lake County is 2.9%, which is lower than the Wisconsin value at 3.2% and the U.S. value at 5.5%.

FIGURE 18. POPULATION 16+ UNEMPLOYED: COUNTY, STATE, AND U.S.



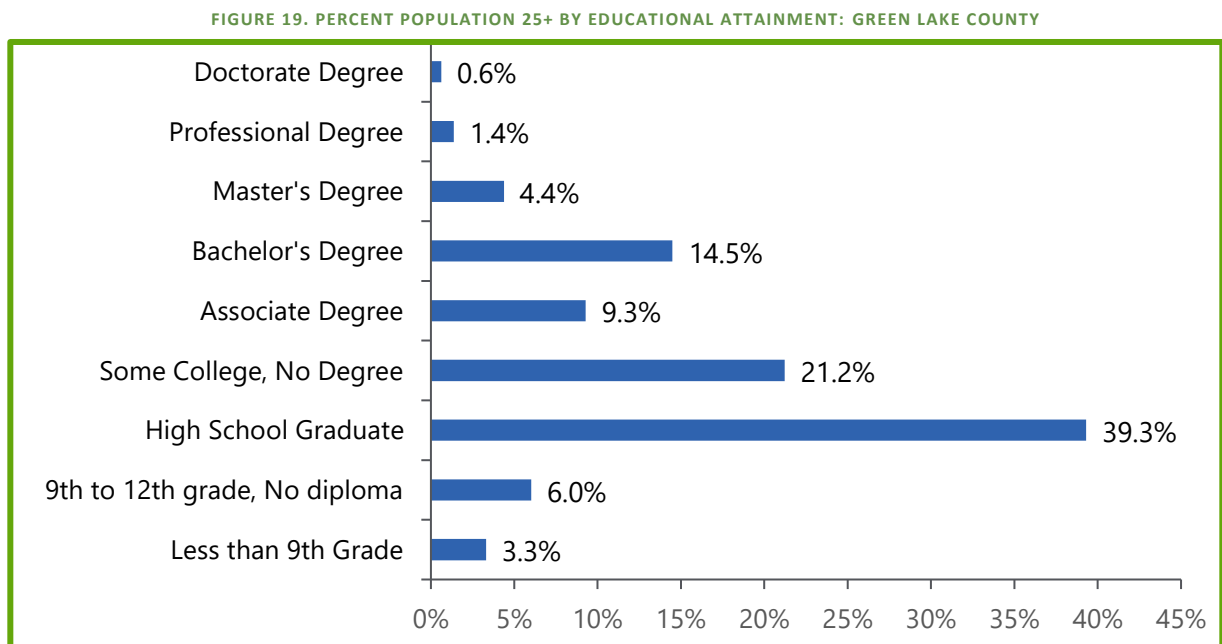
Claritas 2023, U.S. Bureau of Labor Statistics

<sup>4</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/objectives-and-data/social-determinants-health/literature-summaries/employment>

## Education

Education is an important indicator for health and wellbeing across the lifespan. Education can lead to improved health by increasing health knowledge, providing better job opportunities and higher income, and improving social and psychological factors linked to health. People with higher levels of education are likely to live longer, to experience better health outcomes, and practice health-promoting behaviors.<sup>5</sup>

Figure 19 shows the percentage of the population in Green Lake County 25 years or older by educational attainment. Those having earned a High School Graduate represent 39.3% of residents in the county.



Claritas, 2023, U.S. Values- American Community Survey, 2017-2021

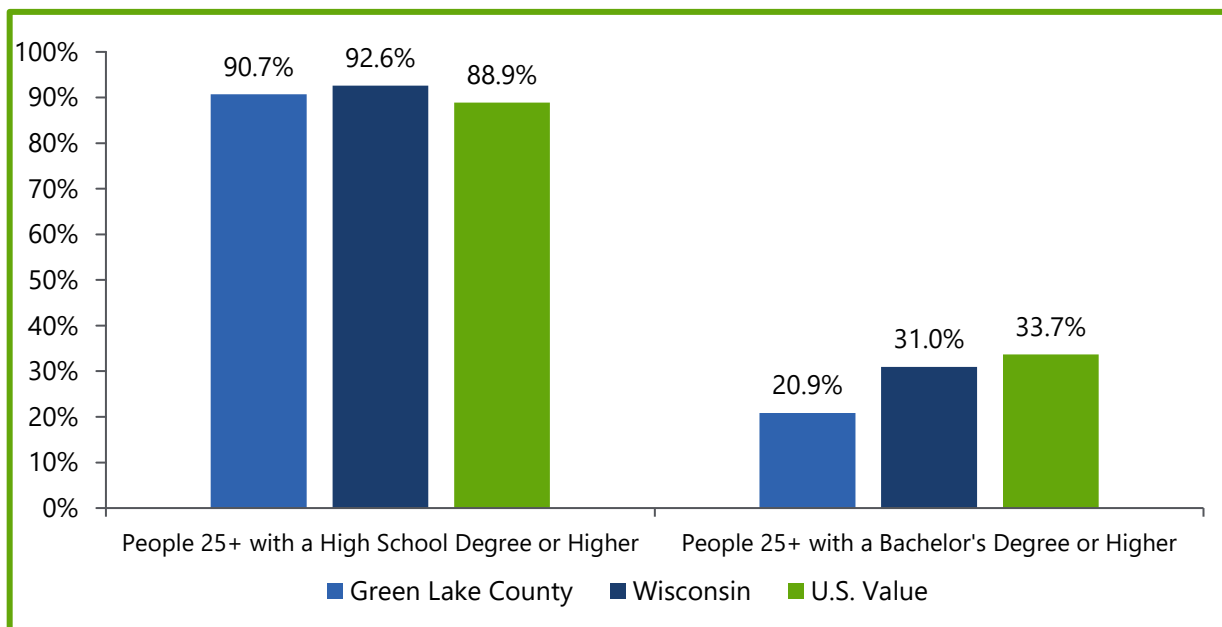
Another indicator related to education is on-time high school graduation. A high school diploma is a requirement for many employment opportunities and for higher education. Not graduating high school is linked to a variety of negative health impacts, including limited employment prospects, low wages, and poverty.<sup>6</sup>

Figure 20 shows that the Green Lake County has the slightly lesser percentage of residents with a high school degree or higher (90.7%) when compared to the Wisconsin value (92.6%) but has a higher percentage when compared to the U.S. value (88.9%). While residents with a bachelor's degree or higher (20.9%) has a lower percentage when both compared to the Wisconsin value (31.0%) and U.S. value (33.7%).

<sup>5</sup> Robert Wood Johnson Foundation, Education and Health. <https://www.rwjf.org/en/library/research/2011/05/education-matters-for-health.html>

<sup>6</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/priority-areas/social-determinants-health>

FIGURE 20. POPULATION 25+ BY EDUCATIONAL ATTAINMENT: COUNTY, STATE, AND U.S. COMPARISONS



CLARITAS, 2023, U.S. VALUES- AMERICAN COMMUNITY SURVEY, 2017-2021

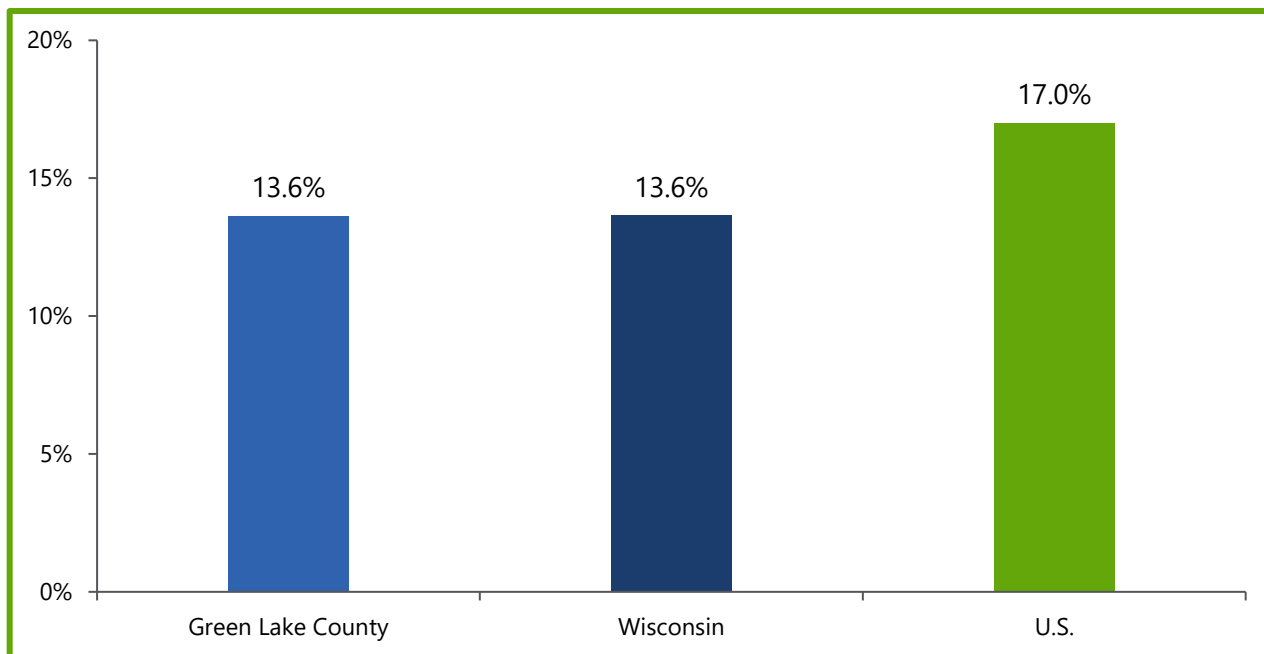
## Housing

Safe, stable, and affordable housing provides a critical foundation for health and wellbeing. Exposure to health hazards and toxins in the home can cause significant damage to an individual or family's health.<sup>7</sup>

Figure 21 shows the percentage of houses with severe housing problems. This indicator measures the percentage of households with at least one of the following problems: overcrowding, high housing costs, lack of kitchen, or lack of plumbing facilities. In Green Lake County, 13.6% of households were found to have at least one of those problems, which is same as the Wisconsin value (13.6%) and lower than the U.S. value (17.0%).

<sup>7</sup> County Health Rankings, Housing and Transit. <https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/physical-environment/housing-and-transit>

FIGURE 21. PERCENTAGE OF HOUSES WITH SEVERE HOUSING PROBLEMS: COUNTY, STATE, AND U.S. COMPARISONS

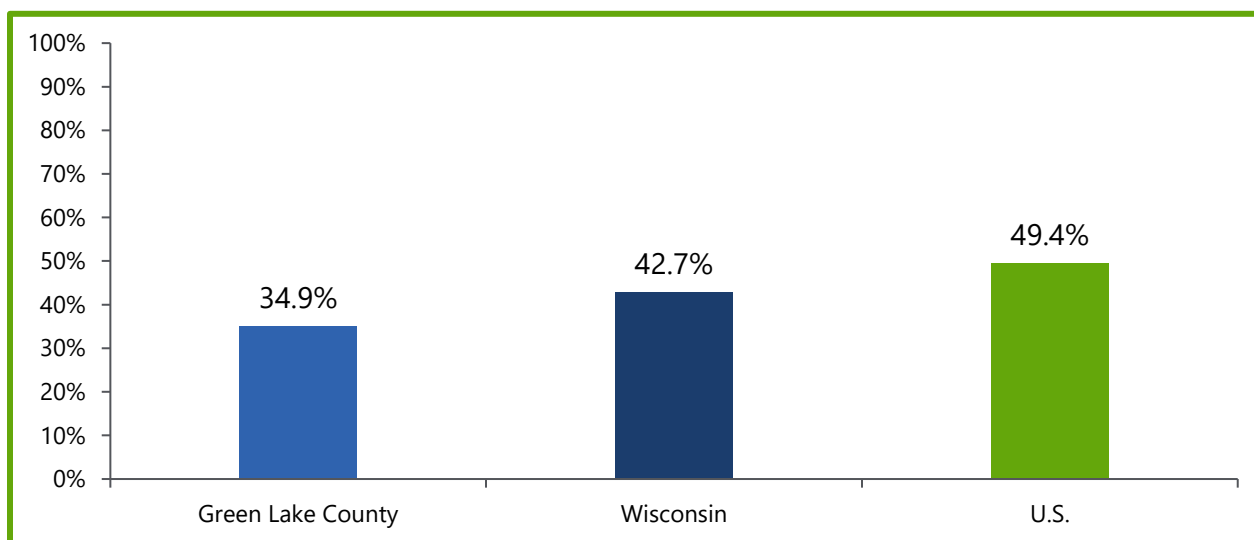


County, State, and U.S. values taken from County Health Rankings (2015-2019)

When families must spend a large portion of their income on housing, they may not have enough money to pay for things like healthy foods or health care. This is linked to increased stress, mental health problems, and an increased risk of disease.<sup>8</sup>

Figure 22 shows the percentage of renters who are spending 30% or more of their household income on rent. The value in Green Lake County (34.9%) is lower than both Wisconsin value (42.7%) and the U.S. value (49.4%).

FIGURE 22. RENTERS SPENDING 30% OR MORE OF HOUSEHOLD INCOME ON RENT



County, State, and U.S. values taken from County Health Rankings (2013-2017); American Community Survey (2017-2021)

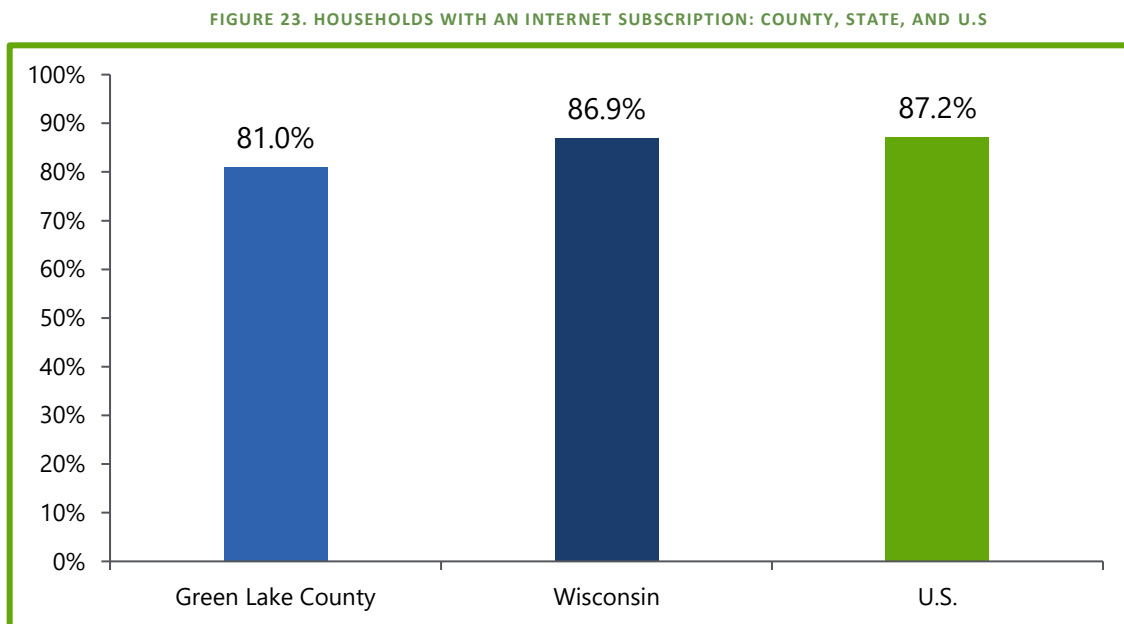
<sup>8</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/objectives-and-data/browse-objectives/housing-and-homes/reduce-proportion-families-spend-more-30-percent-income-housing-sdoh-04>

## Neighborhood and Built Environment

Internet access is essential for basic health care access, including making appointments with providers, getting test results, and accessing medical records. Access to the internet is also increasingly essential for obtaining home-based telemedicine services, especially during Covid-19 pandemic placing isolation and social distancing laws in place.<sup>9</sup>

Internet access may also help individuals seek employment opportunities, conduct remote work, and participate in online educational activities.<sup>9</sup>

Figure 23 shows the percentage of households that have an internet subscription. The rate in Green Lake County, 81.0%, is lower than the Wisconsin value (86.9%) and the U.S. value (87.2%).



American Community Survey (2017-2021)

<sup>9</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/objectives-and-data/browse-objectives/neighborhood-and-built-environment/increase-proportion-adults-broadband-internet-hchit-05>

## Geographic Disparities

This assessment identified specific zip codes with differences in outcomes related to health and social determinants of health. Geographic disparities were identified using the Health Equity Index, Food Insecurity Index, and Mental Health Index. These indices have been developed by Conduent Healthy Communities Institute to easily identify areas of high socioeconomic need, food insecurity, or areas with poorer mental health outcomes. For all indices, counties, zip codes, and census tracts with a population over 300 are assigned index values ranging from 0 to 100, with higher values indicating greater need. Understanding where there are communities with higher need is critical to targeting prevention and outreach activities.

### Health Equity Index

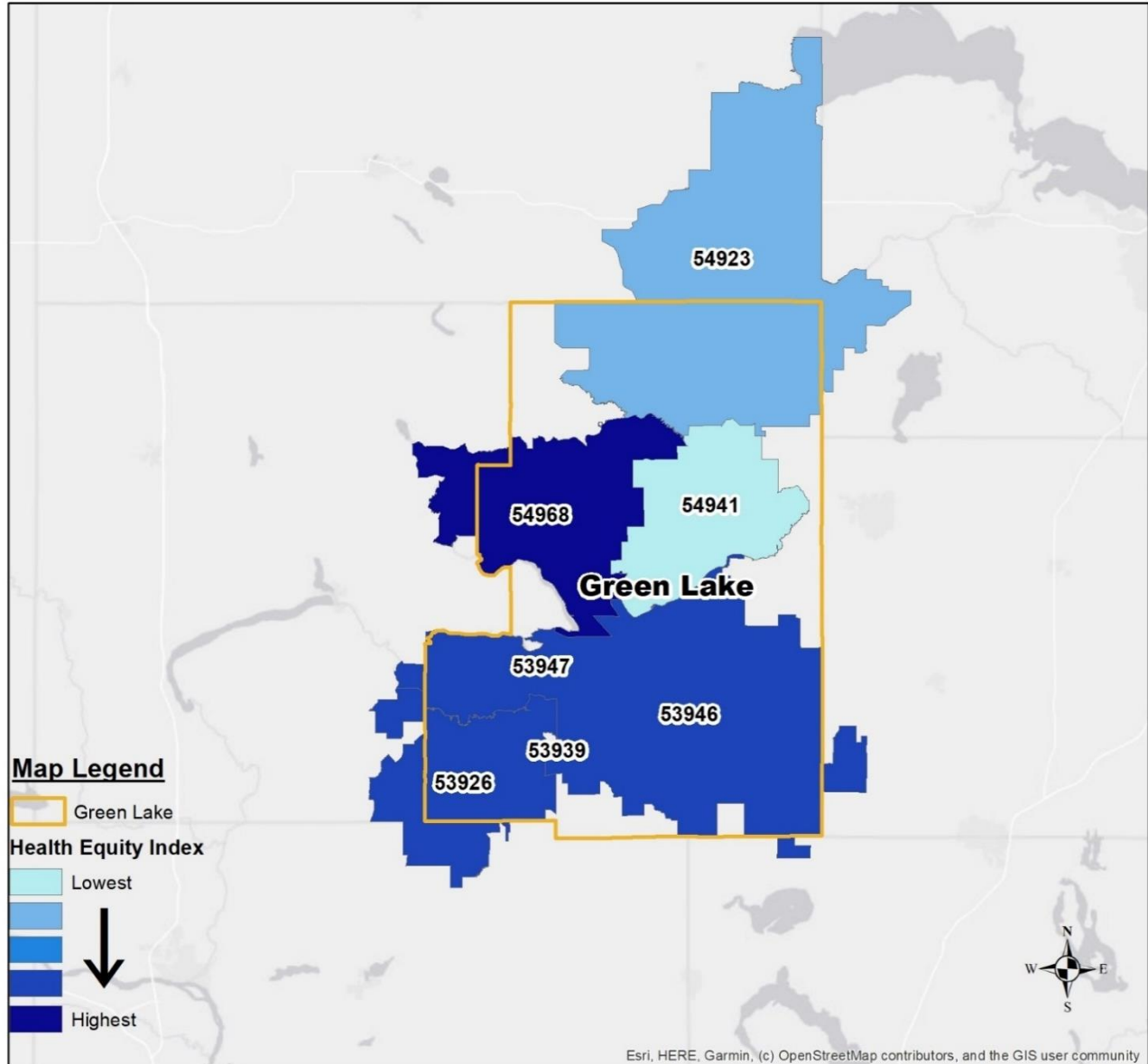
Conduent's Health Equity Index (HEI) estimates areas of high socioeconomic need, which are correlated with poor health outcomes. Zip codes are ranked based on their index value to identify relative levels of need. Table 9 provides the index values for each zip code. The map in Figure 24 illustrates the zip code with the highest level of socioeconomic need (as indicated by the darkest shade of blue) is zip code 54968 with an index value of 60.4.

TABLE 9. HEALTH EQUITY INDEX VALUES BY ZIP CODE

Zip Code	54968	53946	53926	54923	54941
Index Value	60.4	56.2	55.5	44.9	41



FIGURE 24. GREEN LAKE COUNTY HEALTH EQUITY INDEX



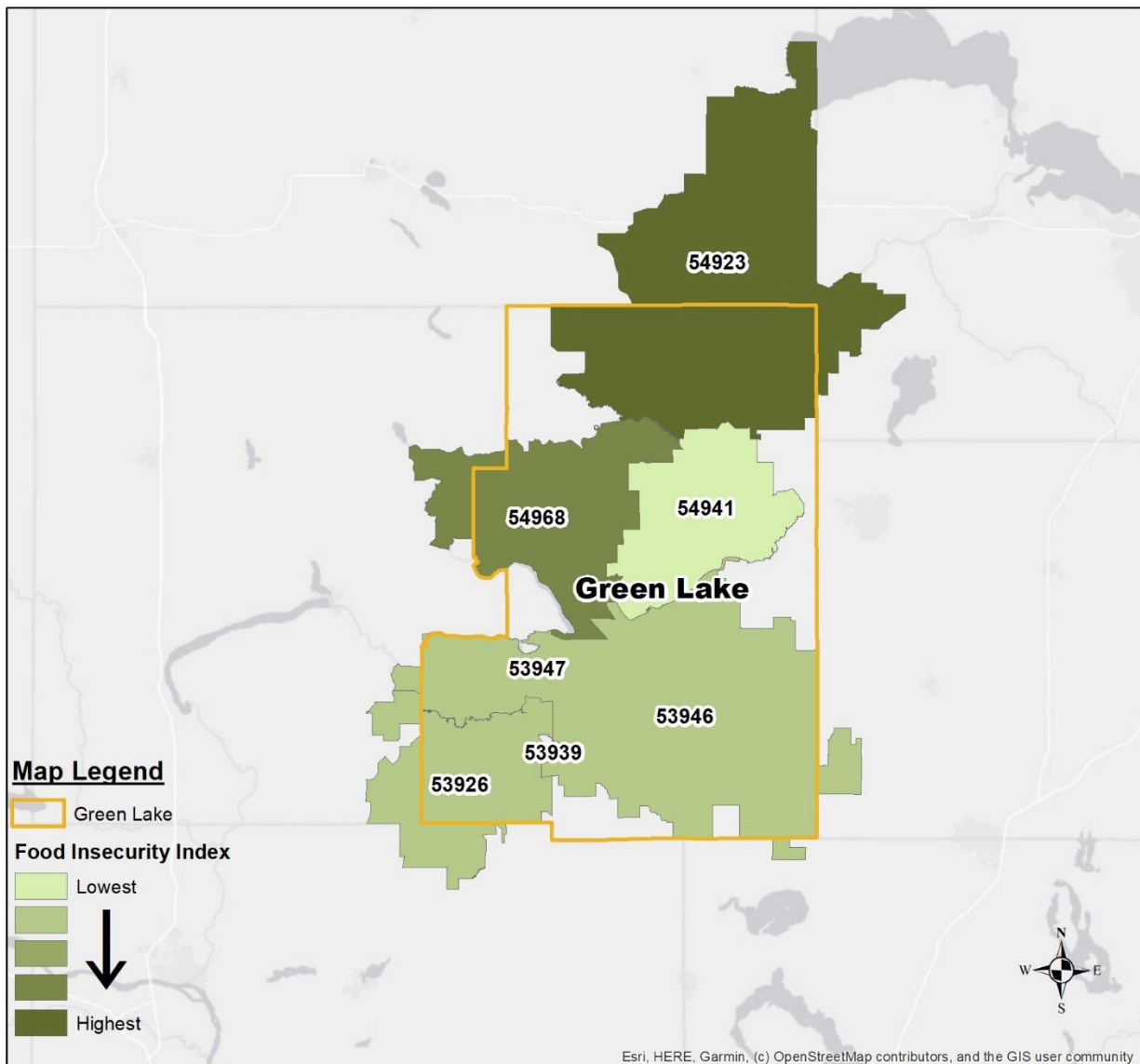
## Food Insecurity Index

Conduent's Food Insecurity Index estimates areas of low food accessibility correlated with social and economic hardship. Zip codes are ranked based on their index value to identify relative levels of need. Table 10 provides the index values for each zip code. The map in Figure 25 illustrates the zip code with the highest level of food insecurity (as indicated by the darkest shades of green) is zip code 54923 with an index value of 59.

TABLE 10. FOOD INSECURITY INDEX VALUES BY ZIP CODE

Zip Code	54923	54968	53926	53946	54941
Index Value	59	49.6	38	37.8	31.7

FIGURE 25. GREEN LAKE COUNTY FOOD INSECURITY INDEX



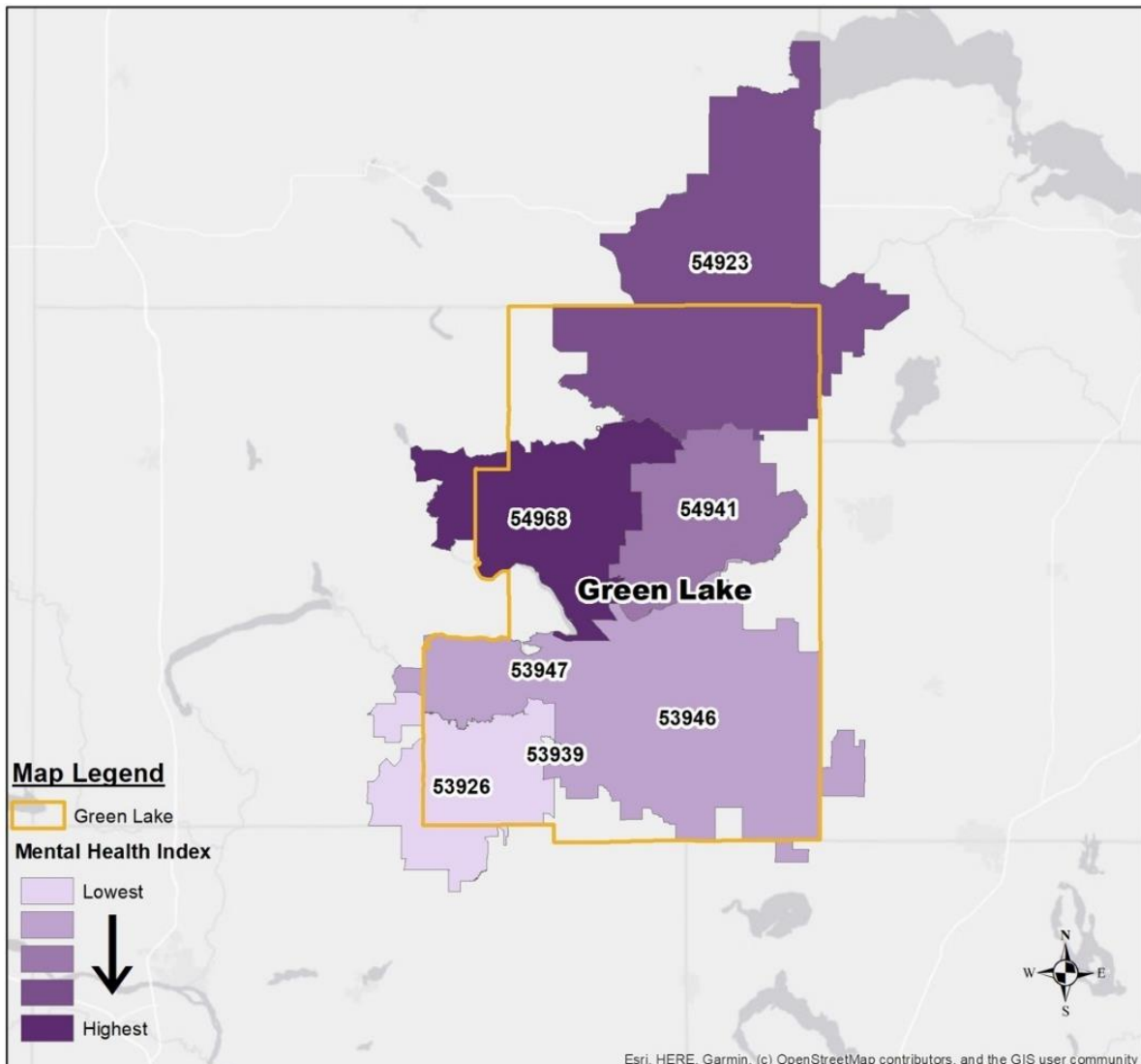
## Mental Health Index

Conduent's Mental Health Index is a measure of socioeconomic and health factors correlated with self-reported poor mental health. Zip codes are ranked based on their index value to identify relative levels of poor mental health outcomes. Table 11 provides the index values for each zip code. The map in Figure 26 illustrates the zip code with the poorest mental health outcome (as indicated by the darkest shades of purple) is zip code 54968 with an index value of 49.0.

TABLE 11. MENTAL HEALTH INDEX VALUES BY ZIP CODE

Zip Code	54968	54923	54941	53946	53926
Index Value	48.8	33.9	29.9	20.2	8.8

FIGURE 26. GREEN LAKE COUNTY MENTAL HEALTH INDEX



## Data Considerations

A key part of any data collection and analysis process is recognizing potential limitations within the data considered. Each data source used in this assessment was evaluated based on its strengths and limitations during data synthesis and should be kept in mind when reviewing this report.

For both primary and secondary data, immense efforts were made to include as wide a range of community health indicators, community survey, key informants, and focus group participants as possible. Although the topics by which data are organized cover a wide range of health and quality of life areas, within each topic there is a varying scope and depth of secondary data indicators and primary data findings.

Secondary data were limited by the availability of data, with some health topics having a robust set of indicators, while others were more limited. Population health and demographic data are often delayed in their release, so data is presented for the most recent years available for any given data source. There is also variability in the geographic level at which data sets are available, ranging from census tract or zip code to statewide or national geographies. Whenever possible, the most relevant localized data is reported. Due to variations in geographic boundaries, population sizes, and data collection techniques for different locations (zip codes, and counties), some datasets are not available for the same time spans or at the same level of localization. Finally, persistent gaps in data exist for certain community health issues.

For the primary data, the breadth of findings is dependent upon who self-selected to participate as key informants and focus group participants. Additionally, the community survey was a convenient sample, which means results may be vulnerable to selection bias and make the findings less generalizable.

# Appendix D. Community Input Assessment Tools

## Community Survey

Green Lake County Health Department

COMMUNITY HEALTH Survey

Welcome to the Green Lake County Health Department community health survey. The information collected in this survey will allow community organizations across the county to better understand the health needs in the community. The knowledge gained will be used to implement programs that will benefit everyone. We can better understand community needs by gathering the voices of community members like you to tell us about the issues that you feel are the most important.

You must be 18 years old or older to complete this survey. We estimate that it will take 10-15 minutes to complete. Survey results will be available and shared broadly in the community within the next year. The responses that you provide will remain anonymous and will not be attributed to you personally in any way. Your participation in this survey is completely voluntary. If you have any questions, please contact Rachel Prellwitz or Lauren Olson at 920-294-4070.

Thank you for your time and feedback. Together we can improve the health of Green Lake County Communities.

I. Please answer a few questions about yourself so that we can see how different types of people feel about local health issues.

Q1 - In what zip code do you live? Please write in your five-digit zip code in the box below.

ZIP Code: \_\_\_\_\_

Q2 - Are you of Hispanic or Latino origin or descent? Select one.

Hispanic/Latino/Latinx

Non-Hispanic/Latino/Latinx

Prefer not to answer

Q3 – Which of the following best describes you? Select one.

American Indian or Alaskan Native

Asian or Asian American

Black or African American

Native Hawaiian or other Pacific Islander

White or Caucasian

Two or more races

Some other race

Prefer not to answer

Q4 - What is your age? Select one.

Under 18

18-20

21-24

25-34

35-44

45-54

55-64

65-74

75-84

85 or older

Prefer not to answer

Q5 – To which gender identity do you most identify? Select one.

Female

Male

Transgender Female/Male-to-Female

Transgender Male/Female-to-Male

Non-binary

Prefer not to answer

Q6 – Please consider sharing your sexual orientation with us. Do you think of yourself as (select one):

Straight (not lesbian or gay)

Gay

Lesbian

Bisexual

Pansexual

Queer

Don't know

Prefer not to answer

Q7 - What is the highest level of education you have completed? Select one.

Did not attend school

Less than 9<sup>th</sup> Grade

Some High School, No Diploma

High School Graduate, Diploma or the equivalent (GED)

Associate Degree

Bachelor's Degree

Master's Degree

Professional Degree

Doctorate Degree

Q8 - How much total combined money did all members of your household earn in the previous year?? Select one.

Less than \$15,000

\$15,000 to \$24,999

\$25,000 to \$34,999

\$35,000 to \$49,999

\$50,000 to \$74,999

\$75,000 to \$99,999

\$100,000 and up

Prefer not to answer

Q9 - What language do you mainly speak at home? Select one.

Speak English

Speak Spanish

Speak Asian / Pacific Islander Language

Speak Indo-European Language

Speak other language (please specify) \_\_\_\_\_

Q10 - Do you identify with any of the following statements? Select all that apply.

\_\_\_\_\_ I have a disability

\_\_\_\_\_ Prefer not to answer

\_\_\_\_\_ I am active-duty Military

\_\_\_\_\_ I am retired Military

\_\_\_\_\_ I am a Veteran

\_\_\_\_\_ I do not identify with any of these

\_\_\_\_\_ I am an immigrant or refugee



**Q11 – Including yourself, how many people currently live in your household?**

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6 or more (please specify number) \_\_\_\_\_

II. In this survey, “community” refers to the major areas where you live, shop, play, work, and get services.

**Q12 - How would you rate your community as a healthy place to live? Select one.**

- ☐ Very Unhealthy
- ☐ Unhealthy
- ☐ Somewhat Healthy
- ☐ Healthy
- ☐ Very Healthy

**Q13 - In the following list, what do you think are the three most important “health problems” in your community? (Those problems that have the greatest impact on overall community health.) Select up to 3.**

\_\_\_\_ Access to Affordable Health Care Services (doctors available nearby, wait times, services available nearby, takes insurance)

\_\_\_\_ Adolescent Health

\_\_\_\_ Alcohol and Drug Use

\_\_\_\_ Auto Immune Diseases (multiple sclerosis, Crohn's disease, etc.)

\_\_\_\_ Cancer

\_\_\_\_ Children's Health

\_\_\_\_ Chronic Pain

\_\_\_\_ Diabetes

\_\_\_\_ Family planning services (birth control)

\_\_\_\_ Heart Disease and Stroke

\_\_\_\_ Injury and Violence

\_\_\_\_ Maternal and Infant Health

\_\_\_\_ Men's Health (ex. prostate exam, prostate health)

\_\_\_\_ Mental Health and Mental Disorders (anxiety, depression, suicide)

\_\_\_\_ Nutrition and Healthy Eating

\_\_\_\_ Older Adults (hearing/vision loss, arthritis, etc.)

\_\_\_\_ Oral Health and Access to Dentistry Services (dentists available nearby)

\_\_\_\_ People living with disabilities

\_\_\_\_ Physical Activity

\_\_\_\_ Quality of Health Care Services Available

\_\_\_\_ Respiratory/Lung Diseases (asthma, COPD, etc.)

\_\_\_\_ Sexually transmitted diseases/infections (STDs/STIs)

\_\_\_\_ Teen and Adolescent Health

\_\_\_\_ Tobacco Use (including e-cigarettes, chewing tobacco, etc.)

\_\_\_\_ Weight Status (Individuals who are Overweight or Obese)

\_\_\_\_ Women's Health (ex. mammogram, pap exam)

\_\_\_\_ Other (please specify)

\_\_\_\_\_

Q14 - In your opinion, which of the following would you most like to see addressed in your community?  
Select up to 3.

\_\_\_\_ Access to higher education (2-year or 4-year degrees)

\_\_\_\_ Air and water quality

\_\_\_\_ Accessible sidewalks and other structures for those living with disabilities

\_\_\_\_ Ability to access safe parks and walking paths

\_\_\_\_ Bike lanes

\_\_\_\_ Crime and Crime Prevention (robberies, shootings, other violent crimes)

\_\_\_\_ Discrimination or inequity based on race/ethnicity, gender, age, sex

\_\_\_\_ Domestic Violence and Abuse (intimate partner, family, or child abuse)

\_\_\_\_ Economy and job availability

\_\_\_\_ Education and schools (Pre-K to 12th grade)

\_\_\_\_ Emergency Preparedness

\_\_\_\_ Inequity in jobs, health, housing, etc. for underserved populations

\_\_\_\_ Food insecurity or hunger

\_\_\_\_ Healthy Eating (restaurants, stores, or markets)

\_\_\_\_ Homelessness and unstable housing

\_\_\_\_ Injury Prevention (traffic safety, drownings, bicycling and pedestrian accidents)

\_\_\_\_ Neighborhood Safety

\_\_\_\_ Persons who've experienced physical and/or emotional trauma

\_\_\_\_ Safe air and water quality

\_\_\_\_ Safe housing

\_\_\_\_ Services for Seniors/Elderly (those over 65)

\_\_\_\_ Social isolation/feeling lonely

\_\_\_\_ Support for families with children (childcare, parenting support)

\_\_\_\_ Transportation

\_\_\_\_ Other (please specify)

\_\_\_\_\_

Q15 - Below are some statements about health care services in your community. Please rate how much you agree or disagree with each statement. Select an option for your response in each row below.

	Strongly Agree	Agree	Feel Neutral	Disagree	Strongly Disagree
There are good quality health care services in my community.					
There are affordable health care services in my community.					
I am connected to a primary care doctor or health clinic that I am happy with					
I can access the health care services that I need within a reasonable time frame and distance from my home or work					
I feel like I can advocate for my health care (I feel heard and seen by my health care provider)					
I know where to find the health care resources or information I need when I need them					
Individuals in my community can access healthcare services regardless of race, gender, sexual orientation, immigration status, etc.					

Q16 – Where do you get most of your health information? Select all that apply.

- |  |   |
|--|---|
| <input type="checkbox"/> Community organization/agency | <input type="checkbox"/> Library                      |
| <input type="checkbox"/> Doctor or healthcare provider | <input type="checkbox"/> Newspaper/Magazine           |
| <input type="checkbox"/> Facebook or Twitter           | <input type="checkbox"/> Radio                        |
| <input type="checkbox"/> Other social media            | <input type="checkbox"/> Church or church group       |
| <input type="checkbox"/> Family or friends             | <input type="checkbox"/> School or college            |
| <input type="checkbox"/> Health Department             | <input type="checkbox"/> TV                           |
| <input type="checkbox"/> Hospital                      | <input type="checkbox"/> Workplace                    |
| <input type="checkbox"/> Internet                      | <input type="checkbox"/> Other (please specify) _____ |

Q17 - How would you rate your own personal health in the past 12 months? Select one.

Very Unhealthy

Unhealthy

Somewhat Healthy

Healthy

Very Healthy

Q18 - Do you currently have a health insurance plan/health coverage? Select one.

Yes – PLEASE ANSWER Q19 NEXT

No – SKIP TO Q20

I don't know – SKIP TO Q20

Q19 - Which type(s) of health plan(s) do you use to pay for your health care services? Select all that apply.

Medicaid/Badgercare

Medicare

Insurance through an employer (HMO/PPO) - either my own or partner/spouse/parent

Insurance through the Health Insurance Marketplace/Obama Care/Affordable Care Act (ACA)

Private Insurance I pay for myself (HMO/PPO)

Indian Health Services

Veteran's Administration

COBRA

I pay out of pocket/cash

Some other way (please specify) \_\_\_\_\_

Q20 - In the past 12 months, was there a time that you needed health care services but did not get the care that you needed? Select one.

Yes – PLEASE ANSWER Q21 NEXT

No, I got the services that I needed – SKIP TO Q22

Does not apply, I did not need health care services in the past year – SKIP TO Q22

Q21 - Select the top reason(s) that you did not receive the health care services that you needed in the past 12 months. Select all that apply.

- |   |   |
|---|---|
| <input type="checkbox"/> Cost - too expensive/can't pay             | <input type="checkbox"/> Cultural/religious reasons   |
| <input type="checkbox"/> No insurance                               | <input type="checkbox"/> Lack of trust in healthcare services and/or providers  |
| <input type="checkbox"/> Insurance not accepted                     | <input type="checkbox"/> Previous negative experience receiving care or services  |
| <input type="checkbox"/> Lack of personal transportation            |   |
| <input type="checkbox"/> Lack of access to public transportation    |   |
| <input type="checkbox"/> Hours of operation did not fit my schedule |   |
| <input type="checkbox"/> Childcare was not available                |   |
| <input type="checkbox"/> Wait is too long                           |   |
| <input type="checkbox"/> No doctor is nearby                        | <input type="checkbox"/> Lack of providers that I identify with (race, ethnicity, gender) or have training specific to my needs |
| <input type="checkbox"/> I did not know where to go                 |   |
| <input type="checkbox"/> Office/service/program has limited access  |   |
| <input type="checkbox"/> Language barrier                           | <input type="checkbox"/> Other (please specify) _____   |

Q22 - In the past 12 months, was there a time that you needed dental or oral health services but did not get the care that you needed? Select one.

Yes – PLEASE ANSWER Q23

No, I got the services that I needed – SKIP TO Q24

Does not apply, I did not need dental/oral health services in the past year – SKIP TO Q24

Q23 - Select the top reason(s) that you did not receive the dental or oral health services that you needed in the past 12 months. Select all that apply.

- |   |  |
|---|--|
| <input type="checkbox"/>  |  |
| <input type="checkbox"/> Cost - too expensive/can't pay             | <input type="checkbox"/> No doctor is nearby                       |
| <input type="checkbox"/> No insurance                               | <input type="checkbox"/> I did not know where to go                |
| <input type="checkbox"/> Insurance not accepted                     | <input type="checkbox"/> Office/service/program has limited access |
| <input type="checkbox"/> Lack of personal transportation            | <input type="checkbox"/> Language barrier                          |
| <input type="checkbox"/> Lack of access to public transportation    | <input type="checkbox"/> Cultural/religious reasons                |
| <input type="checkbox"/> Hours of operation did not fit my schedule |  |
| <input type="checkbox"/> Childcare was not available                |  |
| <input type="checkbox"/> Wait is too long                           |  |

\_\_\_\_ Lack of trust in healthcare services and/or providers

\_\_\_\_ Previous negative experience receiving care or services

\_\_\_\_ Lack of providers that I identify with (race, ethnicity, gender) or have training specific to my needs

\_\_\_\_ Other (please specify) \_\_\_\_\_

Q24 - In the past 12 months, was there a time that you needed or considered seeking mental health services or alcohol/substance abuse treatment but did not get services? Select one.

Yes – PLEASE ANSWER Q25

No, I got the services that I needed – SKIP TO Q26

Does not apply, I did not need services in the past year – SKIP TO Q26

Q25 - Select the top reason(s) that you did not receive mental health services or alcohol/substance use treatment. Select all that apply.

\_\_\_\_\_

Cost - too expensive/can't pay

\_\_\_\_ No insurance

\_\_\_\_ Insurance not accepted

\_\_\_\_ Lack of personal transportation

\_\_\_\_ Lack of access to public transportation

\_\_\_\_ Hours of operation did not fit my schedule

\_\_\_\_ Childcare was not available

\_\_\_\_ Wait is too long

\_\_\_\_ No doctor is nearby

\_\_\_\_ I did not know where to go

\_\_\_\_ Office/service/program has limited access

\_\_\_\_ I did not know how treatment would work

\_\_\_\_ I worried that others would judge me

\_\_\_\_ Language barrier

\_\_\_\_ Cultural/religious reasons

\_\_\_\_ Lack of trust in healthcare services and/or providers

\_\_\_\_ Previous negative experience receiving care or services

\_\_\_\_ Lack of providers that I identify with (race, ethnicity, gender) or have training specific to my needs

\_\_\_\_ Other (please specify) \_\_\_\_\_

Q26 - In the past 12 months, did you go to a hospital Emergency Department (ED)? Select one.

Yes – PLEASE ANSWER Q27 AND Q28

No, I have not gone to the hospital ED – SKIP TO Q29

Q27 - Please select the number of times you have gone to the ED in the past 12 months. Select one.

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5

6 or more

Q28 - What were the main reasons that you went to the Emergency Department (ED) instead of a doctor's office or clinic? Select all that apply.

\_\_\_\_ After clinic hours/weekend

\_\_\_\_ Emergency/Life-threatening situation

\_\_\_\_ I don't have a regular doctor/clinic

\_\_\_\_ Long wait for an appointment with my regular doctor

\_\_\_\_ I don't have health insurance

\_\_\_\_ Needed food, shelter, or other resources

\_\_\_\_ I feel more comfortable accessing my care in the ED instead of at a doctor's office or clinic

\_\_\_\_ My doctor (or another provider) told me to go

\_\_\_\_ Concerns about cost or co-pays

\_\_\_\_ Other (please specify) \_\_\_\_\_

Q29 - How many children (under age 18) currently live in your home? Select one.

None – SKIP TO Q35

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6 or more

**III. If there are any children under 18 that live in your home, please answer Q30 through Q34.**

**Q30 - Which type(s) of health plans(s) do children in your home have to cover the costs of health care services? Select all that apply.**

Medicaid/Badgercare

Insurance through an employer (HMO/PPO) - either my own or partner/spouse

Insurance through the Health Insurance Marketplace/Obama Care/Affordable Care Act (ACA)

Private Insurance I pay for myself (HMO/PPO)

Indian Health Services

Veteran's Administration

COBRA

I pay out of pocket/cash

Some other way (please specify) \_\_\_\_\_

Q31 - Have the children (under 18) in your home experienced any of the following health issues? Select all that apply.

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> No, the child/children have not faced any health issues   | <input type="checkbox"/> Child abuse/child neglect   | <input type="checkbox"/> Sexually Transmitted Disease           |
| <input type="checkbox"/> Childhood disabilities/special needs                      | <input type="checkbox"/> Child/children overweight   | <input type="checkbox"/> Stroke                                 |
| <input type="checkbox"/> Allergies   | <input type="checkbox"/> Child/children underweight  | <input type="checkbox"/> Teen pregnancy                         |
| <input type="checkbox"/> Asthma  | <input type="checkbox"/> Diabetes/Pre-diabetes/High blood sugar  | <input type="checkbox"/> Using tobacco, e-cigarettes, or vaping |
| <input type="checkbox"/> Autoimmune diseases                                       | <input type="checkbox"/> Drug or alcohol use   | <input type="checkbox"/> Other (please specify) _____           |
| <input type="checkbox"/> Behavior Challenges/Mental Health                         | <input type="checkbox"/> Hearing and /or vision  |   |
| <input type="checkbox"/> Birth-related (ex. low birth weight, premature, prenatal) | <input type="checkbox"/> Injuries or accidents that required immediate medical care (ex. sports injuries, bicycle accidents) |   |
| <input type="checkbox"/> Cancer  | <input type="checkbox"/> Heart Disease or other heart conditions   |   |
|  | <input type="checkbox"/> Nervous system disorders  |   |

Q32 - In the past 12 months, was there a time when children in your home needed medical care or other health related services but did not get the services that they needed? Select one.

Yes – PLEASE ANSWER Q33 AND Q34

No, they got the services that they needed – SKIP TO Q35

Does not apply, the child/children did not need services – SKIP TO Q35

Q33 - Which of the following services were the children in your home not able to get in the past 12 months when they needed them? Select all that apply.

Alcohol or other substance abuse treatment

Dental care (routine cleaning or urgent care)

Emergency care services

Mental health services

Nutrition services

Prescription medications

Routine care/treatment for ongoing or chronic condition – ex. allergies, respiratory conditions, diabetes

Scheduled vaccination(s)

Services for Special Needs

Sick visit/urgent care visit

Well child visit/check-up



Other (please specify) \_\_\_\_\_

Q34 - Select the top reason(s) that children in your home did not get the medical/health care services that they needed in the past 12 months. Select all that apply.

\_\_\_\_ Cost - too expensive/can't pay

\_\_\_\_ No insurance

\_\_\_\_ Lack of personal transportation

\_\_\_\_ Lack of transportation due to bus schedule  
and/or drop off location

\_\_\_\_ Language barrier

\_\_\_\_ Hours of operation did not fit my schedule

\_\_\_\_ Childcare was not available

\_\_\_\_ Wait is too long

\_\_\_\_ No doctor is nearby

\_\_\_\_ I did not know where to go

\_\_\_\_ Office/service/program has limited access or is  
closed due to COVID-19

\_\_\_\_ Insurance not accepted

\_\_\_\_ Cultural/religious reasons

\_\_\_\_ Lack of trust in healthcare services and/or  
providers

\_\_\_\_ Previous negative experience receiving care or  
services

\_\_\_\_ Lack of providers that I or my child identify with  
(race, ethnicity, gender) or have training specific to my  
child's needs

\_\_\_\_ Other (please specify) \_\_\_\_\_

Q35 - Below are some statements about employment and education in your community. Please rate how much you agree or disagree with each statement. Place an X for your response in each row below.

	Strongly Agree	Agree	Feel Neutral	Disagree	Strongly Disagree
There are plenty of jobs available for those who are over 18 years old					
There are plenty of jobs available for those who are 14 to 18 years old					
There are job trainings or employment resources for those who need them					
There are resources for individuals in my community to start a business (financing, training, real estate, etc.)					
Childcare (daycare/pre- school) resources are affordable and available for those who need them					
The K-12 schools in my community are well funded and provide good quality education					
There are affordable opportunities to attend a local university or community college.					

Q36 - Which is your current employment status? Select one.

Employed, working full-time – SKIP TO Q38

Employed, working part-time – SKIP TO Q38

Not working by choice – SKIP TO Q38

Out of work, looking for work – PLEASE ANSWER Q37

Out of work, but NOT currently looking for work – PLEASE ANSWER Q37

Unable to work – PLEASE ANSWER Q37

A student – SKIP TO 38

Retired – SKIP TO 38

Q37 – Do any of the following reasons make it difficult for you to find or keep a job? Select any that apply.

- |   |  |
|---|--|
| <input type="checkbox"/> Attending school   | <input type="checkbox"/> Lack of transportation                          |
| <input type="checkbox"/> Available jobs do not pay a wage that allows me to care for myself and my family | <input type="checkbox"/> Positive drug test/drug screen                  |
| <input type="checkbox"/> Cannot find childcare  | <input type="checkbox"/> Criminal history                                |
| <input type="checkbox"/> Cost of childcare is too high  | <input type="checkbox"/> Under 18 years old                              |
| <input type="checkbox"/> Care giver for a family member   |  |
| <input type="checkbox"/> Full time work is too much   | <input type="checkbox"/> Have not received my high school diploma or GED |
| <input type="checkbox"/> Part time work is not enough   | <input type="checkbox"/> Physically disabled                             |
| <input type="checkbox"/> Furloughed or temporarily unemployed   | <input type="checkbox"/> I did not have a fair chance to get a job       |
| <input type="checkbox"/> Shifts do not work with my schedule  | <input type="checkbox"/> Other (please specify) _____                    |

Q38 - Below are some statements about housing, transportation, and safety in your community. Please rate how much you agree or disagree with each statement. Place an X for your response in each row below.

	Strongly Agree	Agree	Feel Neutral	Disagree	Strongly Disagree
There are affordable places to live in my community					
Streets in my community are typically clean and buildings are well maintained					
I feel safe in my own community					
crime is not a major issue in my community					
There is a feeling of trust in Law Enforcement in my community					
Transportation is easy to get to if I need it					

Q39 - What transportation do you use most often to go places? Select one.

Drive my own car

Hitchhike

Walk

Ride a bicycle

Ride a motorcycle or scooter

Take a taxi or ride share service (Uber/Lyft)

Use medical transportation/specialty van transport

Use senior transportation

Someone drives me

Other (please specify) \_\_\_\_\_

Q40 - Which of the following categories best reflects your current living situation? Select one.

Live alone in a home (house, apartment, condo, trailer, etc.)

Live in a home with another person such as a partner, sibling(s), or roommate(s)

Live in a home that includes a spouse or partner AND a child/children under age 25

Live in a multi-generational home (home includes grandparents or adult children age 25+)

Live in a home with more than one family (more than one family lives in the home)

Live in an assisted living facility or adult foster care

Long-term care/nursing home

Temporarily staying with a relative or friend

Staying in a shelter or are homeless (living on the street)

Living in a tent, recreational vehicle (RV), or couch-surfing

Hotel/motel (long-term stay)

Other (please specify) \_\_\_\_\_

Q41 - Does your current housing situation meet your needs? Select one.

Yes – PLEASE ANSWER Q42

No – SKIP TO Q43

Q42 - What issues do you have with your current housing situation? Select all that apply.

\_\_\_\_ Eviction concerns (prior, current, or potential)

\_\_\_\_ Current housing is temporary, need permanent housing

\_\_\_\_ Mortgage is too expensive

\_\_\_\_ Need assisted living or long-term care

\_\_\_\_ Rent/facility is too expensive

\_\_\_\_ Too far from town/services

\_\_\_\_ Too run down or unhealthy environment (ex. mold, lead)

\_\_\_\_ Too small /crowded, problems with other people

\_\_\_\_ Unsafe, high crime

\_\_\_\_ None of the above

\_\_\_\_ Other (please specify) \_\_\_\_\_

Q43 - In the past 2 years, was there a time when you (and your family) were living on the street, in a car, were moving from one temporary housing arrangement to another, or in a temporary shelter? Select one.

Yes, 1 or 2 times in the past 2 years

Yes, 3 or more times in the past 2 years

No

Q44 - In the past 12 months, has the utility company shut off your service for not paying your bills? Select one.

Yes

No

Does not apply - I do not pay utility bills

Q45 - Are you worried or concerned that in the next 2 months you (and your family) may not have stable housing that you own, rent, or stay in as part of a household? Select one.

Yes

No

Q46 - Below are some statements about access to food and resources in your community. Please rate how much you agree or disagree with each statement. Place an X for your response in each row below.

	Strongly Agree	Agree	Feel Neutral	Disagree	Strongly Disagree
I am not able to prepare my own food					
I can get to a grocery store when I need food or other household supplies					
Affordable healthy food options are easy to purchase at nearby corner stores, grocery stores or farmer's markets					
In my neighborhood it is easy to grow/harvest and eat fresh food from a home garden					
Local restaurants serve healthy food options					
We have good parks and recreational facilities					
There are good sidewalks or trails for walking safely					
It is easy for people to get around regardless of abilities					
Air and water quality are safe in my community					

Q47 - In the past 12 months, did you worry about whether your food would run out before you got money to buy more? Select one.

Often

Sometimes

Never

Q48 - In the past 12 months, was there a time when the food that you bought just did not last, and you did not have money to get more? Select one.

Often

Sometimes

Never

Q49 - In the past 12 months, did you or someone living in your home receive emergency food from a church, a food pantry, or a food bank, or eat in a soup kitchen? Select one.

Often

Sometimes

Never

**Q50 - In your day-to-day life how often have any of the following things happened to you?**

	At least once a week	A few times a month	A few times a year	Never
You are treated with less courtesy or respect than other people	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
You receive poorer service than other people at restaurants or stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People act as if they think you are not smart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People act as if they are afraid of you	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
You are threatened or harassed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People criticized your accent or the way you speak	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prefer not to answer	<input type="checkbox"/>			

**Q51 - What do you think is the main reason(s) for these experiences? (Choose all that apply)**

- |  |   |
|--|---|
| <input type="checkbox"/> Your Ancestry or National Origins             | <input type="checkbox"/> Your Gender                      |
| <input type="checkbox"/> Your Race                                     | <input type="checkbox"/> Your Age                         |
| <input type="checkbox"/> Your Religion                                 | <input type="checkbox"/> Your Height                      |
| <input type="checkbox"/> Your Weight                                   | <input type="checkbox"/> Your Sexual Orientation          |
| <input type="checkbox"/> Some other Aspect of Your Physical Appearance | <input type="checkbox"/> A physical disability            |
| <input type="checkbox"/> Your Education or Income Level                | <input type="checkbox"/> I have not had these experiences |



## ADVERSE CHILDHOOD EXPERIENCES

The final question is about ACEs, adverse childhood experiences, which happened during your childhood. This information will allow us to better understand how problems that may occur early in life can have a health impact later in life. This is a sensitive topic, and some people may feel uncomfortable with these questions. If you prefer not to answer these questions, you may skip them.

**For this question, please think back to the time BEFORE you were 18 years of age.**

**Q52 – From the list of events below, please check the box next to events you experienced BEFORE the age of 18. (Choose all that apply)**

- ☐ Lived with anyone who was depressed, mentally ill, or suicidal
- ☐ Lived with anyone who was a problem drinker or alcoholic
- ☐ Lived with anyone who used illegal street drugs or who abused prescription medications
- ☐ Lived with anyone who served time or was sentenced to serve time in prison, jail, or other correctional facility
- ☐ Parents were separated or divorced
- ☐ Parents or adults experienced physical harm (slap, hit, kick, etc.)
- ☐ Parent or adult physically harmed you (slap, hit, kick, etc.)
- ☐ Parent or adult verbally harmed you (swear, insult, or put down)
- ☐ Adult or anyone at least 5 years older touched you sexually
- ☐ Adult or anyone at least 5 years older made you touch them sexually
- ☐ Adult or anyone at least 5 years older forced you to have sex
- ☐ Prefer not to answer

**Thank you for taking the time to participate in this community survey. Your feedback and insight are vital as we work to improve and address issues impacting our community's health.**

**END OF SURVEY**

## Focus Group Guide

### INTRODUCTION

{Introduce Yourself and Others on the Team.}

{“Let’s get started...”}

**Opening Script:** Thank you for taking the time to speak with us to support the Green Lake County Health Department Community Health Needs Assessment. We anticipate that this discussion will last no more than 60 minutes. You have been invited to take part in this focus group because of your experience living and/or working in Green Lake County. The focus of our Community Health Needs Assessment is how to improve health in the community and understand what challenges residents are facing. We are going to ask a series of questions related to health issues in the community. We hope to get through as many questions as possible and hear each of your perspectives as much as time allows.

For this discussion group, I will invite you to share as much or little as you feel comfortable sharing with the others in the group. The results of this assessment will be made available to the public. We will be taking notes on your responses, but your names will not be associated with any direct quotes. Your identity will be kept confidential, so please share your honest opinions.

We do have a few ground rules for this virtual discussion that I would like to review with you. It is important that everyone has a chance to be heard, so we ask that only one person talks at a time (the most important ground rule for today). You may use the “raise hand” function when you have something to say [*give instructions and test*]. We may also call on you to sure ensure everyone has a chance to speak but if you have nothing to share, please just say “pass”.

You may want to mute yourself when you are not speaking to cut down on background noise [*give instructions and test mute/unmute*]. Finally, please respect the opinions of others, as the point of the discussion is to collect various points of view. And remember, there are no right or wrong answers, so please share freely and openly. Does anyone have any questions before we get started?

Okay, let’s get started by going around and introducing ourselves. Please tell everyone your first name, what community you live in, and if you are interested in sharing, your involvement in the community (could be your job or volunteer work for example).

{Introductions}

Thank you for introducing yourselves. Now we will get started with our discussion.

## GENERAL HEALTH QUESTIONS

{For the following questions, I would like for you to think about the health of the community in Green Lake County}

1. **What is something that you enjoy about your community or is a strength of your community?**
2. **What is the top health-related problem that residents are facing in your community that you would change or improve?**  
*[Probe 1: Why do you think this is the most important health issue?]*
3. **What do you think is the cause of this problem in your community?**  
*[Probe 1: What would you do to address this problem? What is needed to address this problem?]*
4. **From the health issues and challenges, we've just discussed, which do you think are the hardest to overcome?**  
*[Probe: Are some of these issues more urgent or important than others? If so, why?]*
5. **Are there groups in your community that are facing particular health issues or challenges? Which groups are these?**  
*[Probe: Are these health challenges different if the person is a particular age, or gender, race or ethnicity? Or lives in a certain part of the county for example?]*
6. **What do you think causes residents to be healthy or unhealthy in your community?**  
*[Probe 1: What types of things influence their health, to make it better or worse?]*  
*[Probe 2: What might prevent someone from accessing care for these health challenges? Examples could include lack of transportation, lack of health insurance coverage, doctor's office hours, language or cultural barriers, etc.]*
7. **What resources are available for residents in your community?**  
*[Probe 1: Are there specific community organizations or agencies that you see taking a strong leadership role in improving the health of particular groups in your community?]*  
*[Probe 2: Do you see residents taking advantage of them? Why or why not?]*  
*[Probe 3: What additional programs and resources do you think are needed to best meet the needs of residents in Green Lake County?]*

## CLOSING QUESTION

{I have one more question as we close out our discussion today.}

8. **Can you think of any other ways we could improve the health of residents in the community that we have not already talked about today?**

*[Probe: Is there anything else you would like to add that we haven't discussed?]*

## CONCLUSION

{Review the summary points and key takeaways from the discussion}

{Check if note taker needs any clarification}

**CLOSURE SCRIPT:** Thank you very much for your time and willingness to share your experiences with us today. We will include your comments in our data to describe how health can be improved for residents in your community. Please remember, your name will not be connected to any of the comments you made today. Please let us know if you have any questions or concerns about this.

I also wanted to let you know that we are currently conducting an online Green Lake County Health Department Community Health Survey that is a part of the Community Health Needs Assessment process. If you would be interested in participating in the survey or willing to help share the link with your organization, community partners, friends, or family who live, work, or play in Green Lake County, it would be greatly appreciated. We will send you a follow-up email thanking you for your participation today and will include more information about the community survey with a link.

# Appendix E. Community Survey

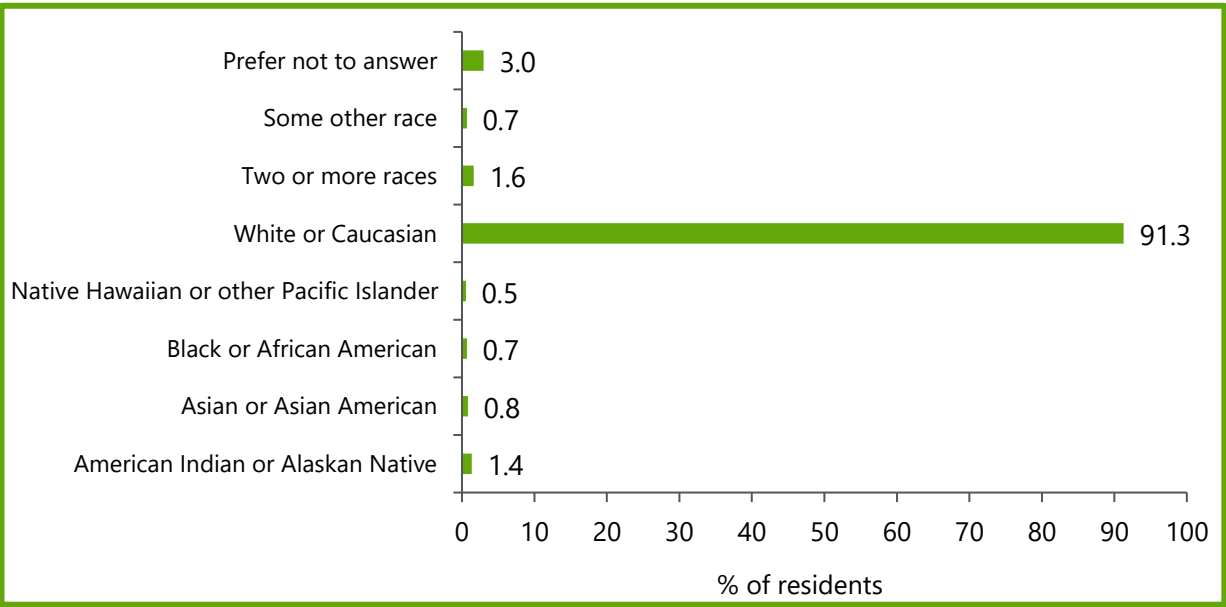
## Demographics

The following charts and graphs illustrate the demographics of community survey respondents residing in Green Lake County.

### Race

As shown in Figure 27, White community members comprised the largest percentage of survey respondents at 91.28%, which is slightly higher than the proportion of White community members represented by the demographics of the actual population in the service area (90.4%, Figure 3).

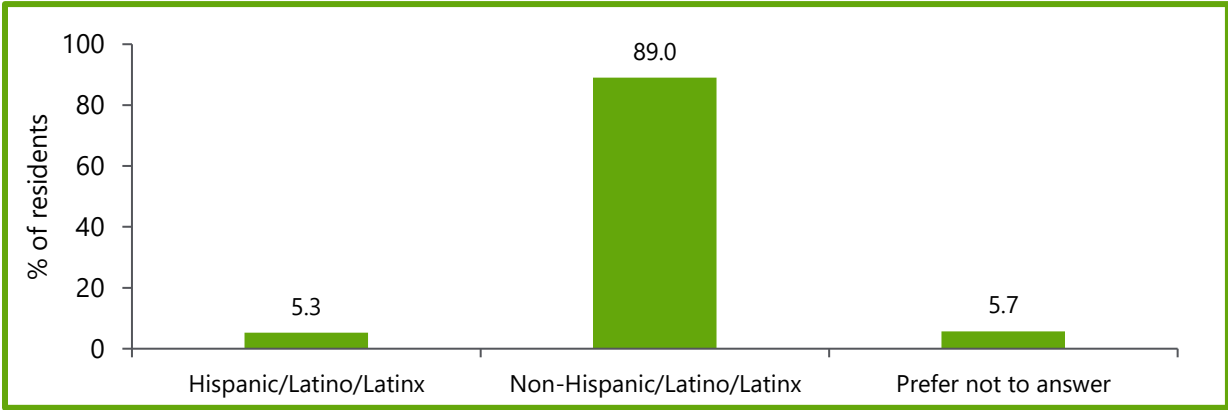
FIGURE 27. RACE OF COMMUNITY SURVEY RESPONDENTS, GREEN LAKE COUNTY



Ethnicity

Figure 28 shows that 5.31% of survey respondents identified as Hispanic/Latino, which is lower than the proportion of Hispanic/Latino community members represented by the actual population estimates in Green Lake County (5.6%, Figure 4).

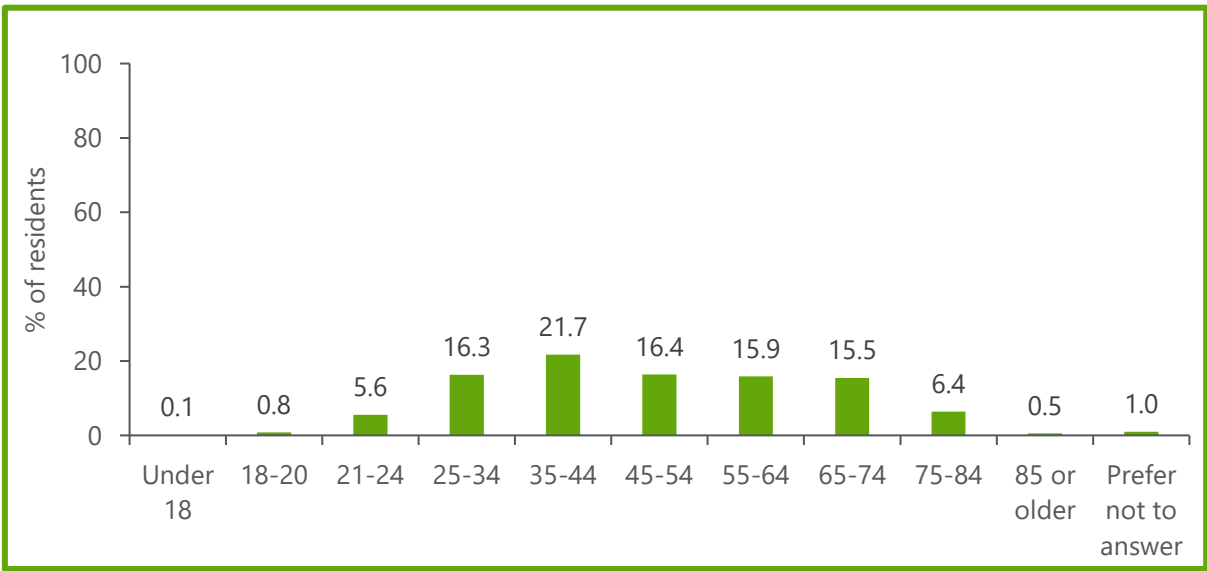
FIGURE 28. ETHNICITY OF COMMUNITY SURVEY RESPONDENTS, GREEN LAKE COUNTY



Age

Figure 29 shows the age breakdown of survey respondents. The 35-44 age group comprised the largest portion of survey respondents, at 21.68%.

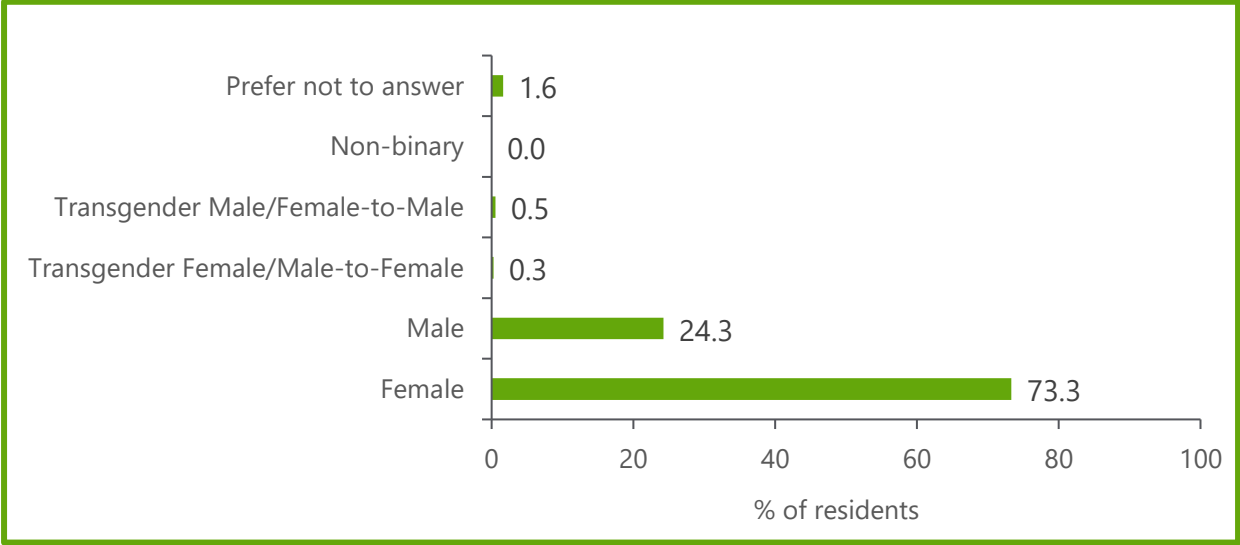
FIGURE 29. AGE OF COMMUNITY SURVEY RESPONDENTS, GREEN LAKE COUNTY



Gender Identity

Survey respondents skewed female, with 73.31% of survey respondents identifying as female and 24.25% identifying as male, as shown in Figure 30.

FIGURE 30. GENDER IDENTITY COMMUNITY SURVEY RESPONDENTS, GREEN LAKE COUNTY



Sexual Orientation

Figure 31 shows the sexual orientation of survey respondents. People identifying as straight (not lesbian or gay) comprised the largest portion of survey respondents, at 90.22%.

FIGURE 31. SEXUAL ORIENTATION OF COMMUNITY SURVEY RESPONDENTS, GREEN LAKE COUNTY

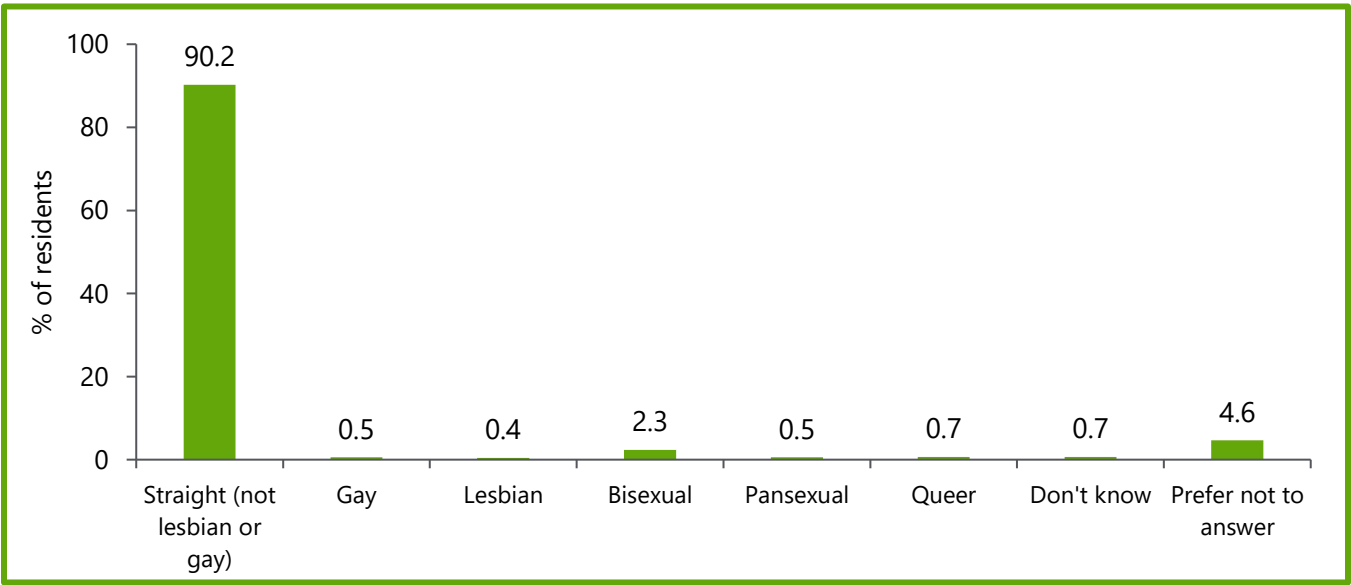


FIGURE 32. EDUCATION LEVEL OF COMMUNITY SURVEY RESPONDENTS, GREEN LAKE COUNTY

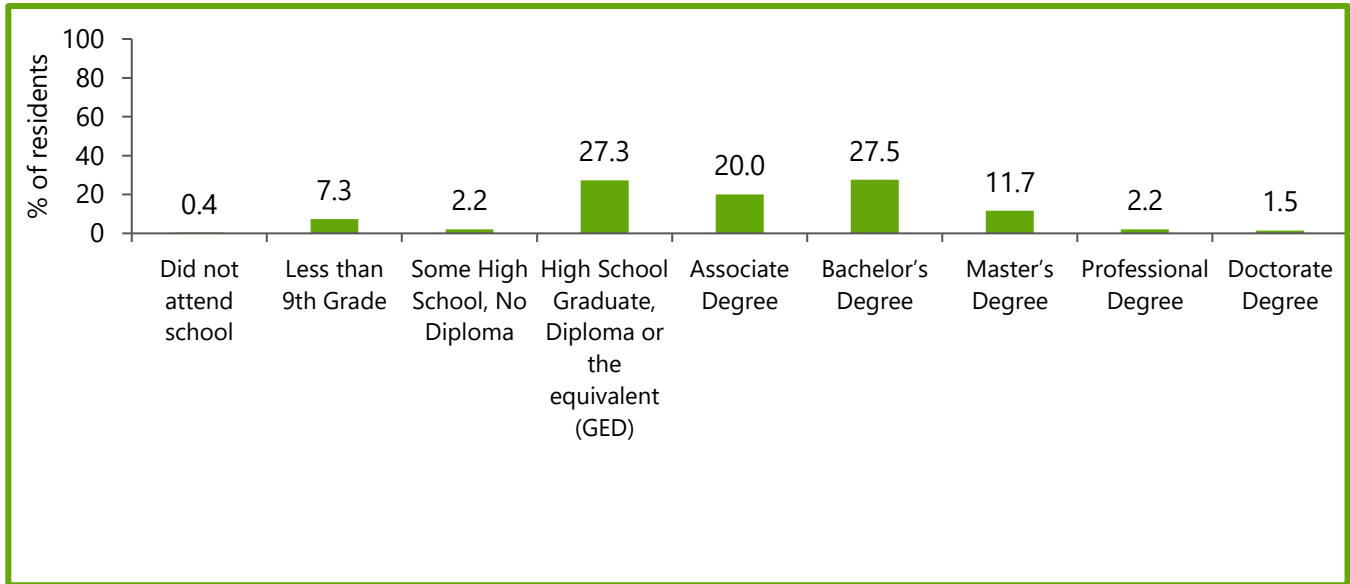
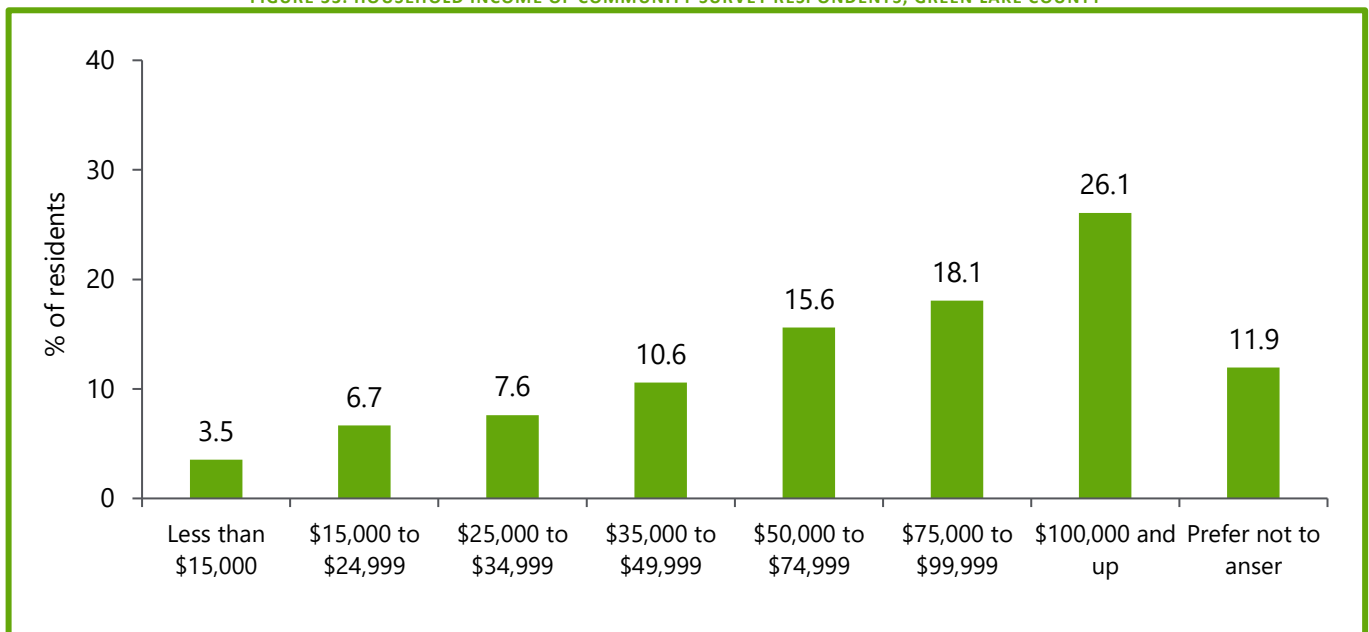


Figure 33 shows the household income of community survey respondents. The \$100,000 and up income bracket made up the largest proportion of survey respondents at 26.05%.

FIGURE 33. HOUSEHOLD INCOME OF COMMUNITY SURVEY RESPONDENTS, GREEN LAKE COUNTY





# Appendix F. Prioritization Process

## Process

An invitation to participate in the Green Lake County data synthesis presentation and virtual prioritization activity was sent out in the weeks preceding the meeting held on Wednesday, May 10th, 2023. A total of 19 individuals representing the health department as well as community-based organizations, and nonprofits attended the virtual meeting.

During the May 10<sup>th</sup> meeting, the group reviewed and discussed the results of HCI's primary and secondary data analyses leading to the significant health needs. A one-page handout called a "Prioritization Cheat Sheet" (see Appendix D) was provided to participants to support the prioritization activity. From there, participants were given time to access an online link and assign a score to each of the significant health needs based on how well they met the criteria set forth by the public health department. The group also agreed that root causes, disparities, and social determinants of health should be considered for all prioritized health topics resulting from the online prioritization activity.

The criteria for prioritization included:

### 1. Magnitude of the Issue

- How many people in the community are or will be impacted?
- How does the identified need impact health and quality of life?
- Has the need changed over time?

### 2. Ability to Impact

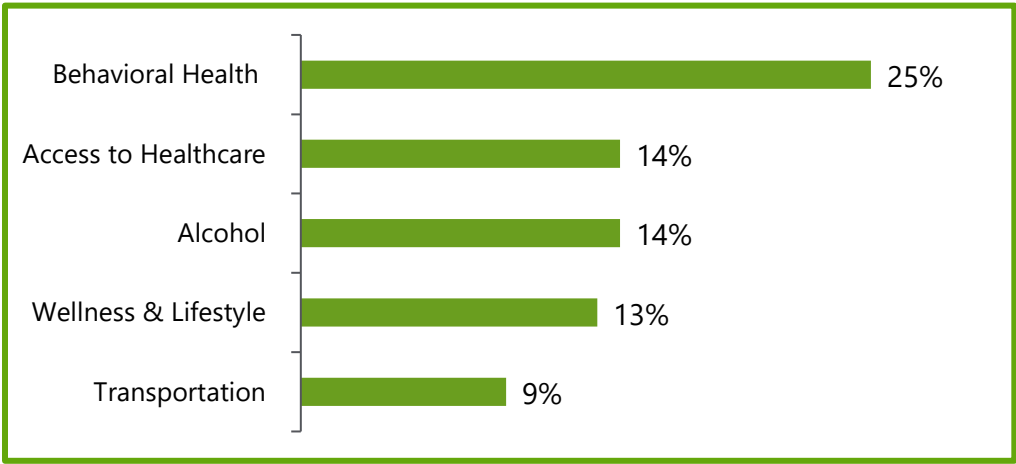
- Can actionable and measurable goals be defined to address the health need? Are those goals achievable in a reasonable time frame?
- Does the hospital or health system have the expertise or resources to address the identified health need?
- Can the need be addressed in collaboration with community partners? Are organizations already addressing the health issue?

Participants assigned a score of 1-3 to each health topic and criterion, with a higher score indicating a greater need for that topic to be prioritized. For example, participants assigned a score of 1-3 to each topic based on whether the magnitude was (1) least concerning, (2) somewhat concerning or (3) most concerning. Along a similar line, participants assigned a score of 1-3 to each topic based on (1) least ability to impact (2) some ability to impact or (3) most ability to impact. In addition to considering the data presented by HCI in the presentation and on the prioritization cheat sheet, participants were encouraged to use their own judgment and knowledge of the community in considering how well a health topic met the criteria.

Completion of the online exercise resulted in a numerical score for each health topic and criterion. Numerical scores for the two criteria were equally weighted and averaged to produce an aggregate score and overall ranking for each health topic. The aggregate ranking can be seen in Figure 34 below. Green Lake County Health Department reviewed and discussed the scoring results of the prioritized significant community needs and identified three overall health needs to be considered for integration into the Community Health Improvement

Planning process. These included Access to Healthcare, which will include medical and dental care, Mental Health, Substance Misuse, and transportation as a focus under all health needs.

FIGURE 34. PERCENTAGE OF OVERALL RESULTS OF PRIORITIZATION ACTIVITY



The handout shown below was provided to participants to support the virtual prioritization activity. The actual prioritization process was completed online using a web-based survey tool.

## Prioritization Cheat Sheet/Scoring Sheet: Green Lake County

For this activity, we will prioritize six significant health needs, considering the following two criteria: (1) Ability to Impact and (2) Scope and Severity. Please review the considerations for each of these criteria below, then assign a score of 1-3 to each health topic and criterion. To complete this activity online, go to <https://www.surveymonkey.com/r/HCB98MP>.

### Consideration: ABILITY TO IMPACT

*Can actionable and measurable goals be defined to address the health need?*

*Are those goals achievable in a reasonable time frame?*

### Considerations: SCOPE AND SEVERITY

*How many people in the community are or will be impacted?*

*\*The health needs listed below are listed in **alphabetical order** (not order of importance)*

Health Need*	ABILITY TO IMPACT	SCOPE & SEVERITY
Access to Health Care (Medical) & Access to Oral Health		
Alcohol and Drug Use		
Behavioral Health (Mental Health)		
Cancer		
Transportation		
Wellness & Lifestyle (Weight Status/Nutrition/ Healthy Eating/Physical Activity)		

# Appendix G. Infographics

## SOLUTIONS TO ADDRESS PRESSING ISSUES



### GREEN LAKE COUNTY



**Economic stability**, means having the resources essential to a healthy life including affordable housing and employment that provides a living wage.

Promoting economic stability by:

- Addressing barriers to affordable and accessible daycare for working parents by convening business leaders and local government
- Advocating for maternity/paternity leave policies.
- Investing in reentry programs to link formerly incarcerated persons with stable housing, proper care and help them adopt a healthier lifestyle.



**Behavioral Health** access means timely, quality mental health care and substance use disorder treatment. Supporting this by:

- Addressing barriers to care including transportation and increasing the number of providers that accept Medicare/Medicaid.
- Establishing a clearly structured & streamlined pathway for those seeking recovery.
- Fostering new opportunities for drug court.
- Sharing the lived experiences for those with alcohol/substance use addiction through peer support programs.



Focus Group participants provided comprehensive solutions to improve the health of residents in Green Lake County relating to:

**Healthcare** access means timely, quality healthcare services that meet the needs of Green Lake County residents by:

- Incentivizing providers to provide care, practice in rural areas, and accept insurance.
- Partnering with UW-Health System to expand telehealth services to rural areas.
- Bringing in cash pay providers.
- Establishing pregnancy centers.
- Partnering with community groups to provide public health updates, preventative screenings, and other educational opportunities.



### Built Environment & Infrastructure

is the connection between where a person lives, and their health and well-being. Creating neighborhoods that promote health by:

- Breaking down barriers to transportation by investing in public transit.
- Seeking ways to serve as a catalyst to enhance transportation options, and food access through Community Health Improvement initiatives.
- Highlighting opportunities to expand internet broadband to rural communities and those without reliable internet access.

